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# Commercial Fertilizers

By P. L. HIBBARD

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\*In cooperation Office of Public Roads and Rural Engineering, U. S. Dept. of Agriculture.

# COMMERCIAL FERTILIZERS.

By P. L. HIBBARD.

This bulletin comprises the results of the fertilizer inspection work of the California Fertilizer Control for the fiscal year ending June 30, 1916.

## **Purpose and Functions of the Fertilizer Control.**

The duty of the Fertilizer Control is:

*First:* To issue certificates of registration to manufacturers and dealers who have complied with the law by filing a sworn statement of composition and sources of the fertilizers they wish to sell.

*Second:* To analyze these fertilizers as found in the open market and publish the results for the information of the public. If a manufacturer sells fertilizers which are materially below his guarantee in composition or value he is subject to prosecution and fine. By this means it is intended to insure to purchasers that the fertilizers they buy shall be substantially as good as represented.

By a study of the reports of analyses of fertilizers, the consumer should be able to determine whether the materials he buys are sold for a fair price, and whether he obtains fertilizers of the desired composition. In short, the function of the Fertilizer Control is to see that the manufacturer gives the consumer a square deal.

## **Maintenance of Guarantees.**

Every manufacturer is required by law to guarantee the percentage of nitrogen, phosphoric acid and potash in the fertilizers he sells. Owing to difficulties of sampling and analysis the law permits a maximum deficiency of 0.25% nitrogen, 1.00% phosphoric acid, 0.50% potash from the figures guaranteed. Greater deficiencies than these are regarded as infractions of the law, for which the manufacturer may be prosecuted and fined. Such deficiencies are indicated in the report of analyses in black face type.

Some manufacturers uphold their guarantees better than others. The following table is a condensed report of the deficiencies found in the main table of analyses. It summarizes the work done in this laboratory on each manufacturer's goods. The columns headed Deficiencies—per cent of possible, may be used for comparison of the various companies as to probability of meeting their guarantees. The other columns are necessary to show how these figures were obtained. In cases where very few analyses are reported for a manufacturer, the figures should be taken with caution, as perhaps not properly representative. When several samples of one manufacturer's goods were

analyzed the figures may be accepted as probably a fair indication of the reliability of his guarantee.

In general, manufacturers have more than maintained their guarantees, so that an average of all the analyses would show a substantial increase over the amount guaranteed.

This table is a condensed statement of the performances of each company during the fiscal year 1915-16, and as such may be an indication of what may be expected in the future. A manufacturer who maintained his guarantees well last year will probably do the same this year.

Maintenance of Guarantees by Manufacturers.

Manufacturer	Number of samples analyzed-----	Number of samples analyzed-----	Total number of guaran- tees on sam- ples analyzed	Deficiencies			
				In guarantees		In valuation	
				Number	Per cent of possible	Number	Per cent of possible
Agricultural Chemical Works-----	21	58	151	9	6.0	3	5.3
American Agricultural Chemical Co. -----	6	24	72	0	0.0	0	0.0
Armour Fertilizer Works-----	28	139	294	15	5.1	9	6.6
Rogers Brown & Co.-----	2	3	6	2			
California Fertilizer Works-----	3	5	12	1	8.3	0	0.0
Cudahy Packing Co.-----	9	14	19	4	21.1	1	11.1
Diamond Fertilizer Co.-----	1	9	18	0	0.0		
Duff's Fertilizer Co.-----	3	3	3	0	0.0	1	
General Fertilizer Association-----	12	19	52	13	25.0	5	31.2
Germain Seed and Plant Co.-----	1	2	4	0	0.0	0	0.0
Globe Grain and Milling Co.-----	1	1	3	0	0.0		
Hauser Packing Co.-----	6	30	56	3	5.4	1	3.8
Hawaiian Fertilizer Co., Ltd.-----	10	10	23	0	0.0	0	0.0
Los Angeles Fertilizer Co.-----	2	2	5	1	20.0	0	0.0
Mountain Copper Co.-----	2	3	5	0	0.0	0	0.0
Nitrate Agencies Co.-----	1	2	2	0	0.0	0	0.0
Oakland Meat and Packing Co.-----	1	2	2	0	0.0	0	0.0
Pacific Bone, Coal and Fertiliz- ing Co. -----	7	17	29	2	6.9	1	6.6
Pacific Coast Beef and Provision Co. -----	1	1	2	0	0.0	0	0.0
Pacific Guano and Fertilizer Co.-----	11	21	45	2	4.4	1	4.8
Pacific Reduction Co.-----	1	7	21	1	4.8		
Redlands Fruit Association-----	1	1	1	0	0.0	0	0.0
Swift & Co.-----	1	1	2	0	0.0	0	0.0
Union Fertilizer Co.-----	3	13	37	0	0.0	0	0.0
Union Superphosphate Co.-----	1	1	1	0	0.0	0	0.0
Western Fertilizer Co.-----	1	3	9	5			
Western Meat Co.-----	16	76	153	17	11.1	7	9.3

Owing to the possibility of misunderstanding, the figures for percentage deficiencies are not given in above table in cases where less than 4 samples were analyzed.

Fertilizers sold on Station analysis, and some others, are not given a valuation in the table of analyses, hence the number of such samples is deducted from the total number analyzed, in computing deficiencies in valuation.

### **Mechanical Condition of Fertilizers.**

A good degree of fineness is one of the essential qualities of a good fertilizer. It may be assumed as generally true that the finer the material the higher the availability, hence the consumer should insist on having finely ground fertilizers. Unfortunately some manufacturers are at times careless in regard to the fineness of their goods. The insistent demand of the consumer is the most effective means of correcting such carelessness.

Besides the low agricultural availability and the difficulty in applying coarse fertilizers, it is almost impossible to obtain a satisfactorily representative sample of such goods for analysis. This is a prolific source of dissatisfaction and disagreement between buyers and sellers. During handling and transportation a coarsely ground tankage will separate so that the top of the sack contains the coarser material, high in nitrogen, while the bottom contains the finer parts of bone, high in phosphoric acid. A mixture of coarse bone meal with sulfate of potash will separate into coarse bone at the top and excess of potash at the bottom.

One of the chief reasons for the existence of the fertilizer manufacturer is that he is better prepared than the farmer to grind and mix the goods he sells, and the farmer should insist that he do it well.

### **Caution in Regard to Labeling Fertilizer Packages.**

The law expressly states that every package of fertilizer shall be accompanied by a plainly printed label giving the brand name, analysis, and source of the materials in the package. This requirement is not satisfactorily met by some manufacturers and dealers. Farmers are hereby cautioned that if they buy improperly or inadequately labeled fertilizers or goods not sold by properly registered dealers or their authorized agents they may lose the protection afforded by the Fertilizer Control. Consumers should insist that fertilizer tags show plainly both the percentage and the derivation of each ingredient. A verbal statement given by the selling agent should not be accepted as adequate. The honest manufacturer is willing to guarantee his goods properly, and the farmer will best serve his own interest by dealing with no other.

### **Proper Basis for Buying Fertilizers.**

For the purpose of this discussion, a fertilizer is a material furnishing plant food, specifically, nitrogen, phosphoric acid or potash. Lime, gypsum, humus, etc., are often of great use in improving crops, but they are not to be regarded as fertilizers in the sense here meant.

Now, if the farmer will realize that in buying fertilizers he is really buying nitrogen, phosphoric acid, or potash, nothing else, he will have



the only solid basis on which to calculate the commercial value of the goods purchased. He should pay only the fair market price for value received. Consequently the price should depend entirely on the amount of plant food. The amount of plant food can be found in only one way, by chemical analysis. Therefore, the price should depend on the result of chemical analysis. In the language of dealers, this is known as buying on the *unit basis*. A dealer buys 100 tons of tankage guaranteed to contain 8 per cent of nitrogen and 8 per cent of phosphoric acid, at a price of \$3.40 per unit for the nitrogen and 90 cents per unit for the phosphoric acid. This makes it cost \$34.40 per ton. But if the analysis shows 7 per cent nitrogen and 10 per cent phosphoric acid, on the same basis, the cost would be \$32.80 per ton. In other words, the dealer pays for just what he gets in plant food, and for nothing else. The farmer should buy on the same basis. In buying on the unit basis the farmer should escape the high price of plant food usually paid for it when buying low-priced fertilizers by the ton. The farmer should avoid the dealer who is not willing to sell on the unit basis.

### Deficiencies.

In the analyses of the above samples, the following number of deficiencies greater than allowed by law occurred:

Available phosphoric acid (total when available is not guaranteed) ----	21
Total nitrogen -----	46
Potash -----	8
In valuation -----	33

These deficiencies were found in 63 samples.

The fertilizer law allows a deficiency of 0.25 per cent in nitrogen, 0.50 per cent in potash, and 1 per cent in available phosphoric acid.

### Fertilizer Valuations.

The calculations of the commercial values of the fertilizers here reported are made on the so-called unit basis. Such calculations consist simply in multiplying the number of per cent of each ingredient by the price per unit and adding the products. The sum thus obtained is the commercial value per ton at the prices used. If it is desired to use such a calculation for determining the amount which should be paid for goods, or the rebate to which the buyer is entitled owing to the goods delivered being below the guaranty, it can only be satisfactorily done if a definite price per unit has been agreed upon between buyer and seller. But for the mere purpose of showing the relative values of goods to guaranties, it is not at all necessary that the prices adopted should be the exact market prices. Thus it is that the Fertilizer Control in attempting to show the relation between values found

and values claimed, uses a schedule which is admittedly only an approximate average of market values. Owing to market fluctuations, differences in cost of delivery at different points, and other causes, the obtaining of true average market prices is an impossibility. But if the reader will bear in mind the true purpose of the valuations reported, these will have served their turn and he will not be led to assume that the Experiment Station is dictating the prices at which goods shall be sold. Valuations thus construed should serve two purposes.

(a) To show whether a certain fertilizer is commercially worth its cost.

(b) As a measure for comparing the commercial values of different brands, thus enabling the buyer to select that brand which will give him the greatest value for the money he spends.

Schedule of Trade Values, 1916-17.

	Pound.	Unit.
Nitrogen from blood -----	\$0.23	\$4 60
Nitrogen from tankage and bone -----	.22	4 40
Nitrogen from sulfate of ammonia -----	.19	3 80
Nitrogen from nitrate of soda -----	.19	3 80
Nitrogen from nitrate of lime -----	----	----
Nitrogen from cyanamid -----	.16	3 20
Nitrogen from cottonseed meal -----	.22	4 40
Phosphoric acid from bone super -----	.05	1 00
Available phosphoric acid from rock super -----	.047	94
Total phosphoric acid from Thomas phosphate -----	----	----
Total phosphoric acid from bone meal -----	.045	90
Total phosphoric acid from tankage -----	.035	70
Potash from sulfate -----	.05	1 00
Potash from muriate -----	.05	1 00

These prices are intended to represent approximate *wholesale* cost of unmixed fertilizer materials at California freight terminals. Besides this, *retail* prices must include cost of mixing, transportation, storage, selling, long credits, bad debts, etc.

Present market quotations of high-grade potash salts are much above those here given; but as these materials are now practically not obtainable for fertilizer purposes, it seems advisable to use about the same figure that prevailed before the present disturbance began, for calculating the value of the small amounts of potash in mixed goods.

### Scope of Inspection.

During the year 507 samples of fertilizers and fertilizing materials have been received at this laboratory. Of this number 25 were sent by farmers under the two-dollar fee provision, 174 were taken by inspectors from purchasers' goods upon the request of the purchasers, and 283 were taken by inspectors from goods in the hands of agents

and manufacturers. On 17 samples the analysis as reported was used as a basis of settlement by mutual agreement of buyer and seller.\* No guaranty was required or given with goods sold under such agreement. Twenty-five samples of a miscellaneous nature are omitted from the tables.

The following classification may be made of samples reported in this bulletin:

Bat guano .....	4
Blood .....	56
Bone meal .....	49
Complete fertilizer .....	195
Cottonseed meal .....	1
Cyanamid .....	2
Garbage tankage .....	22
Nitrate of soda .....	12
Nitrate of soda and bone .....	1
Rock phosphate .....	1
Rape seed meal .....	1
Superphosphate .....	8
Tankage .....	115

### Registered Manufacturers and Dealers.

The following manufacturers and dealers in commercial fertilizers have obtained certificates of registration under the provisions of the California fertilizer law, for the fiscal year beginning July 1, 1915. A list is also given of the brands of fertilizers and fertilizer materials offered for sale by them. According to the sworn returns of dealers registered for the fiscal year ending June 30, 1915, their entire sales in the state amounted to 31,540 tons. Incomplete returns for the year ending June 30, 1916, indicate approximately 29,000 tons.

No dealer or manufacturer, except those who have certificates of registration from the University of California, and their authorized agents, can legally sell fertilizers in this state. No person or company has any right to use any registration number except in connection with the firm name to which the registration certificate of such number has been issued; and no person or company to whom a registration number has been assigned has any right to give any other person or company permission to use said registration number, and any number so used is a fraud. No agent has any right to use his principal's registration number in connection with his own name.

The total number of brands registered by manufacturers was 363, of which 152 brands, equal to 42 per cent of the total, were found by inspectors and analyzed.

\*Besides these a considerable number of the remaining purchasers' analyses were doubtless used subsequently as a basis of settlement, but without being reported to this office.



**Agricultural Chemical Works, Los Angeles, Cal.**

## REGISTRATION No. 8.

Bat Guano	Nursery
Blood	Potato and Apricot
Bone Meal	Prune and Peach
Brands A, B, C, F, G, H, K, L, M, N, O	Sulfate of Ammonia
Cottonseed Meal	Sulphate of Potash
Fish Guano	Summer A
Grape and Berry	Superphosphate
Gypsum	Tankage
Lawn and Rose	Vegetable
Muriate of Potash	Walnut and Almond
Nitrate of Soda	Special mixtures to order of consumers.

**American Agricultural Chemical Co., California Works, Los Angeles, Cal.**

## REGISTRATION No. 1.

Acid Phosphate	Bradley's Special Nursery Stock
Blood.	Bradley's Tree and Vine
Bradley's California Vegetable	Bradley's Nitrate of Soda
Bradley's Hay and Grain No. 1	Raw Mineral Phosphate Rock
Bradley's Hay and Grain No. 2	Sulfate of Ammonia
Bradley's Lawn	Sulfate of Potash
Bradley's Lemon Tree	Tankage
Bradley's Nursery Stock	Special brands to order.
Bradley's Orange and Lemon	

**Armour Fertilizer Works, Los Angeles, Cal.**

## REGISTRATION No. 7.

Alfalfa Special	Olive Special
Armour's A, B, and C	Orange Tree Manure
Bean Grower	Orange Tree Special
Blood	Sheep Manure
Bone Blood and Potash	Special 2-12-8
Bone Meal	Special 2-17-10
Cotton Seed Meal	Special 2-20-3
Cropmaker	Special 3-20-3
Deciduous Tree Special	Superphosphate
Flower and Fern	Sulfate of Ammonia
Fruit and Vine	Sulfate of Potash
Fruit Special	Tankage
Guano	Vegetable Grower
Lawn and Garden	Walnut Special
Lawn Special	Special brands to order of consumers.
Nitrate of Soda	

**Rogers Brown & Co., Los Angeles, Cal.**

## REGISTRATION No. 85.

Fish Meal	Whale Bone Meal
Fish Scrap	Whale Meat and Blood
Salmon Scrap	Whale Meat and Bone

**California Fertilizer Works, San Francisco, Cal.****REGISTRATION No. 3.**

Bone, Blood Meal	Special Nitrogen Fertilizer
Bone, Blood Superphosphate	Special Nursery Stock
Special Fall Fertilizer	Special Orange and Lemon
Special Fruit and Vine	Special Orange Tree
Special High Grade	Special mixtures to order of consumers.

**Citrus Fertilizer Co., Los Angeles, Cal.****REGISTRATION No. 87.**

Blood	Nitrate of Soda
Bone Meal	Potash
Doty's Fruiting	Sulfate of Ammonia
Doty's Nursery	Superphosphate
Doty's Special No. 1	Tankage
Fish	Special brands to order
Guano	

**Cudahy Packing Co., Los Angeles, Cal.****REGISTRATION No. 79.**

A and M Fish Meal	Cudahy's Low Grade Tankage
A and M Fish Meal No. 2	Cudahy's Lawn Fertilizer
Cudahy's Blood	Cudahy's Lawn Special
Cudahy's Bone Meal	Cudahy's Sheep Manure
Cudahy's Fish Formula	Cudahy's Tankage Formula
Cudahy's Fish Meal No. 2	Cudahy's Tankage No. 1
Cudahy's High Grade Tankage	Cudahy's Tankage No. 2

**Diamond Fertilizer Co., Los Angeles, Cal.****REGISTRATION No. 77.**

Barley Straw Baled	Limestone Rock (ground)
Bat Guano	Manure, Goat
Bean Straw Baled	Manure, Sheep
Blood	Nitrate of Lime
Bone	Nitrate of Soda
Cotton Seed Meal	Phosphate Rock (ground)
Diamond Flower and Fern Food	Sulfate of Potash
Diamond Lawn and Garden Fertilizer	Superphosphate
Fish Meal	Tankage
Fish Tankage	Whale Blood
Garbage Tankage	Whale Bone
Gypsum	Special mixtures to order
Lime	

**Duff's Odorless Fertilizer Co., Glendale, Cal.****REGISTRATION No. 58.**

Blood	Fish Meal
Bone Meal	Nitrate of Soda
Duff's Lawn and Garden No. 1	Superphosphate
Duff's Lawn and Garden No. 3	Tankage

**General Fertilizer Association, San Bernardino, Cal.**

## REGISTRATION No. 42.

G. F. A. Special	G. F. A. Special No. 5
G. F. A. Special No. 2	G. F. A. Special No. 6
G. F. A. Special No. 3	Orange and Lemon No. 1
G. F. A. Special No. 4	Special mixtures to order of consumers

**Germain Seed and Plant Co., Los Angeles, Cal.**

## REGISTRATION No. 76.

Nuvida Blood and Bone	Nuvida Lawn and Garden Fertilizer
Nuvida Flower and Fern	Nuvida Vegetable Fertilizer

**Globe Grain and Milling Co., Los Angeles, Cal.**

## REGISTRATION No. 83.

Samples of Variable Composition

**Hauser Packing Co., Los Angeles, Cal.**

## REGISTRATION No. 33.

High Grade Blood	Steam Bone Meal
High Grade Tankage	Sulfate of Potash
Low Grade Tankage	Special mixtures to order of consumers
Nitrate of Soda	

**Hawaiian Fertilizer Co., Ltd., San Francisco, Cal.**

## REGISTRATION No. 19.

Bone Meal	Nitrate of Soda
Double Manure Salts	Nursery
Dry Ground Blood	Orange and Lemon
Fish Guano	Rape Seed Meal
Fruit and Vine	Sulfate of Ammonia
Grain A	Sulfate of Potash
Grain B	Superphosphate
Kainit	Tankage
Lawn	Thomas Phosphate Powder
Lime Nitrogen	Vegetable
Muriate of Potash	Whale Guano
Nitrate of Lime	

**Thomas Lewis, Sacramento, Cal.**

## REGISTRATION No. 40.

Tom Lewis Bone Meal	Tom Lewis Star Brand Fertilizer
Tom Lewis Fertilizer No. 2	

**Los Angeles Fertilizer Co., Los Angeles, Cal.**

## REGISTRATION No. 38.

Three Queens Animal Bone and Potash	Three Queens Nitrate of Soda
Three Queens Emerson's Olive Special	Three Queens Odorless
Three Queens Emerson's Fall Special	Three Queens Orangeaid
Three Queens Emerson's Summer Special	Three Queens Special Fruit Grower
Three Queens Emerson's Vegetable	Three Queens Superphosphate
Three Queens Emerson's Walnut Special	Three Queens Sulfate of Potash
Three Queens Fruit Grower	Three Queens T and B
Three Queens Fruitmore	Three Queens Tankage
Three Queens Garden and Lawn	Special mixtures to order of consumers
Three Queens L. A. Bone Meal	

**Leo T. Mizuo, Los Angeles, Cal.**

REGISTRATION No. 82.

Bird Guano

Whale Bone

**Mountain Copper Co., San Francisco, Cal.**

REGISTRATION No. 28.

Mococo Superphosphate 0-17-0

Mococo 4.1-10-15

Mococo 0-14-9

Nitrate of Soda

Mococo 3-10-2

Sulfate of Potash

Mococo 3-10-5

Special mixtures to order of consumers

Mococo 4-10-4

**Nitrate Agencies Co., Los Angeles, Cal.**

REGISTRATION No. 45.

Nitrate of Soda

Potash

Superphosphate

**Oakland Meat and Packing Co., Emeryville, Cal.**

REGISTRATION No. 24.

"Special"

**Pacific Bone, Coal and Fertilizing Co., San Francisco, Cal.**

REGISTRATION No. 14.

Arborette No. 1

Lucerna

Arborette No. 2

Lupine Brand

Blood

Nitrate of Soda

Bone Meal

Pomona Brand

Ceres Brand

Pomona Brand No. 2

Citrona Brand No. 1

Potash Salts

Citrona Brand No. 2

Steamed Bone and Sulfate of Ammonia

Citrona Brand No. 3

Superphosphate

Citrona Brand No. 4

Tankage

Flora Brand

Special Formulas

Lime Nitrogen

**Pacific Coast Beef and Provision Co., Los Angeles, Cal.**

REGISTRATION No. 64.

Bone Meal

Dried Blood

Tankage

**Pacific Guano and Fertilizer Co., San Francisco, Cal.**

REGISTRATION No. 4.

Brand AJAX

Brand S

Brand CJB

Brand TRK

Brand F&amp;V

Brand VGR

Brand GG

Brand XLT

Brand HOP

Chapman Fall Application

Brand IXL

Chapman Fall Application Special

Brand N

Chapman Spring Application

Brand OK

Superphosphate Cresco

Brand PNK

Superphosphate Pacific

Brand PP

Special mixtures to order of consumers

**Pacific Reduction Co., Los Angeles, Cal.**

REGISTRATION No. 86.

Organic Tankage

**Redlands Fruit Association, Redlands, Cal.**

## REGISTRATION No. 34.

Blood	Nitrate of Soda
Blood, Packing House	Salmon Scrap
Bone	Sulfate of Potash
Bone, Packing House	Superphosphate
Nitrate of Lime	Tankage

**Rialto Orange Co., Rialto, Cal.**

## REGISTRATION No. 84.

Citrus No. 1	Citrus No. 2
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**San Antonio Meat Co., Pomona, Cal.**

## REGISTRATION No. 69.

Magic Lawn and Garden	Tankage
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**Standard Fertilizer Co., Los Angeles, Cal.**

## REGISTRATION No. 60.

Bone Meal	Standard No. 3
Fish Fertilizer	Standard No. 4
Ground Kelp	Standard No. 5
Standard No. 1	Standard No. 6
Standard No. 2	Standard No. 7

**Swift & Co., Chicago, Ill.**

## REGISTRATION No. 5.

Swift's Diamond "C"	Swift's Diamond "L"
Swift's Diamond "D"	Swift's High Grade Blood
Swift's Diamond "E"	Swift's High Grade Tankage
Swift's Diamond "K"	Swift's Special Bone Meal

**Union Fertilizer Co., Los Angeles, Cal.**

## REGISTRATION No. 9.

Blood	Nursery Fertilizer
Bone Meal	Special Fruiting Fertilizer
Fruiting Fertilizer	Sulfate of Potash
Guano	Tankage
Muriate of Potash	Union No. 1
Nitrate of Lime	Union No. 2
Nitrate of Soda	Union No. 3

**Union Superphosphate Co., San Francisco, Cal.**

## REGISTRATION No. 31.

Superphosphate, Cresco	Superphosphate, Pacific
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**J. M. Waterman Chemical Co., Los Angeles, Cal.**

## REGISTRATION No. 75.

Blood	Nitrate of Soda
Bone Meal	Sulfate of Potash
Gypsum	Superphosphate
Grape Pomace	Special mixtures
Muriate of Potash	

**Western Fertilizer Co., San Francisco, Cal.**

## REGISTRATION No. 68.

Wizard	Wonder
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**Western Meat Co., San Francisco, Cal.**

## REGISTRATION No. 11.

Brands A, B, C, D, E, F, G, H, I, K, L,	Odorless Lawn Dressing
M, O, R, S	Putting Green
Fair Green	Sulfate of Potash
Lemon Special	Superphosphate
Nitrate of Soda	Tankage

### Report of Analyses.

Available phosphoric acid is not determined in bone meal, tankage, and Thomas phosphate powder, unless requested. The fineness of these materials is determined, fine and medium bone being separated by a sieve of 50 meshes to the inch; tankage by a 25-mesh sieve; and Thomas phosphate powder by a 100-mesh sieve.

Nitrogen in ammonium salts will, in some cases, be found reported when nitrogen in this form is not guaranteed. In some of such cases this form of nitrogen is produced by conversion of organic nitrogen during process of manufacture, and is not to be considered a deviation from guaranty of materials used. Guanos carry more or less nitrogen in nitrates and ammonium salts, and when any appreciable quantity of guano is used the manufacturer should take into account the fact that some nitrogen will show as nitrates and ammonium salts. The failure to take this into consideration may perhaps account for the appearance of these forms of nitrogen in some samples in which only organic nitrogen was guaranteed.

The percentage of chlorin is given when it exceeds 0.50 per cent. It is a matter of only technical interest whether chlorin present is from muriate of potash, kainit, or from common salt that may be in some of the materials used. If a manufacturer uses sulfate of potash and uses a tankage with it containing a large amount of chlorin, from a practical standpoint he has lowered the grade of his fertilizer just as much as if he had used muriate of potash instead of sulfate of potash. Chlorin from all other sources is as objectionable as from muriate of potash. However, if muriate of potash is found when sulfate is guaranteed, the fact will be published.

The following abbreviations are used in the tables: Bl = blood, Bn = bone, Fs = fish, G = guano, H = hoof, Min. Phos. = mineral phosphate, Super = superphosphates, T = tankage, CSM = cotton seed meal.

Guarantees are entered in italics. Deficiencies greater than allowed by law are entered in bold type.

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Agricultural Chemical Works, Los Angeles, Cal.				
6076	"A"	-----	J. M. Webster, Upland-----	29.02
6145	"A"	-----	E. A. Moore, Redlands-----	29.01
6274	"A"	-----	A. R. Hoefer, Orange-----	28.92
6276	"A"	-----	R. R. Sherwood, Lordsburg-----	29.47
	Guaranteed -----			28.00
6083	"B"	-----	J. M. Webster, Upland-----	31.15
6144	"B"	-----	E. A. Moore, Redlands-----	30.57
6340	"B"	-----	E. A. Moore, Redlands-----	31.87
	Guaranteed -----			30.20
6092	Bat Guano	-----	Henry Fuller, Bryn Mawr-----	----
	Sold on Station Analysis.			
6056	Blood	-----	W. H. Collins, Covina-----	59.62
6074	Blood	-----	J. M. Webster, Upland-----	59.49
6140	Blood	-----	E. A. Moore, Redlands-----	56.23
6253	Blood	-----	Gowen & Willard, Santa Ana-----	61.34
6417	Blood	-----	D. F. Bremner, Upland-----	61.42
	Guaranteed -----			59.40
6139*	Bone Meal	-----	E. A. Moore, Redlands-----	37.21
6155*	Bone Meal	-----	Union Commission Co., Santa Barbara	37.44
6476*	Bone Meal	-----	R. R. Sherwood, Orange-----	39.73
	Guaranteed -----			37.50
6287*	Bone Meal	-----	Victoria Ave. Cit. Assn., Riverside-----	39.38
	Guaranteed -----			37.20
6058	"C"	-----	W. H. Collins, Covina-----	35.68
6101	"C"	-----	J. M. Webster, Upland-----	34.66
6143	"C"	-----	E. A. Moore, Redlands-----	32.69
6218	"C"	-----	G. A. Herdeg, Riverside-----	31.77
6342	"C"	-----	E. A. Moore, Redlands-----	34.32
	Guaranteed -----			33.40
6059	"F"	-----	W. H. Collins, Covina-----	28.14
6266	"F"	-----	Gowen & Willard, Santa Ana-----	28.73
	Guaranteed -----			26.80
6272	"G"	-----	Gowen & Willard, Santa Ana-----	27.61
6439	"G"	-----	J. D. McClenny, Pomona-----	25.28
	Guaranteed -----			24.60
6060	"H"	-----	W. H. Collins, Covina-----	27.15
6075	"H"	-----	J. M. Webster, Upland-----	26.14
6103	"H"	-----	J. M. Webster, Upland-----	25.24
6277	"H"	-----	R. R. Sherwood, Lordsburg-----	26.17
	Guaranteed -----			26.60
6100	"K"	-----	J. M. Webster, Upland-----	29.90
6278	"K"	-----	R. R. Sherwood, Lordsburg-----	28.62
	Guaranteed -----			27.80

\*6139—51% fine.

\*6155—52% fine.

\*6476—47% fine.

\*6287—58% fine.

Laboratory Number	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6076	5.88	3.22	9.10	-----	1.42	----	2.42	-----	3.80	3.06	3.06	0.90
6145	4.46	4.14	8.60	-----	0.92	----	2.83	-----	3.75	3.22	3.22	0.55
6274	6.42	2.28	8.70	-----	1.33	----	2.47	-----	3.80	----	3.23	1.45
6276	5.64	3.36	9.00	-----	0.95	----	2.83	-----	3.78	3.22	3.22	0.82
----	5.00	3.00	8.00	Bn, Super, T	2.00	----	2.00	Bat G, Bl, Bn	4.00	3.00	3.00	----
6083	5.43	3.02	8.45	-----	1.50	----	3.32	-----	4.82	2.40	2.40	0.70
6144	5.41	3.54	8.95	-----	2.42	----	2.47	-----	4.89	2.20	2.20	----
6340	3.13	4.92	8.05	-----	1.38	----	3.65	-----	5.03	2.44	2.44	0.90
----	4.00	4.00	8.00	Bn, Super, T	2.00	----	3.00	Bat G, Bl, Bn	5.00	2.00	2.00	----
6092	----	----	6.45	-----	0.49	1.52	4.91	-----	6.92	----	2.22	----
6056	----	----	----	-----	----	----	13.55	-----	13.55	----	----	----
6074	----	----	----	-----	----	----	13.52	-----	13.52	----	----	----
6140	----	----	----	-----	----	----	12.78	-----	12.78	----	----	----
6253	----	----	----	-----	----	----	13.94	-----	13.94	----	----	----
6417	----	----	----	-----	----	----	13.96	-----	13.96	----	----	----
----	----	----	----	-----	----	----	13.50	-----	13.50	----	----	----
6139	----	----	22.40	-----	----	----	4.06	-----	4.06	----	----	----
6155	----	----	22.70	-----	----	----	4.05	-----	4.05	----	----	----
6476	----	----	24.40	-----	----	----	4.23	-----	4.23	----	----	----
----	----	----	23.00	-----	----	----	4.00	-----	4.00	----	----	----
6287	----	----	24.30	-----	----	----	4.17	-----	4.17	----	----	----
----	----	----	25.00	-----	----	----	3.50	-----	3.50	----	----	----
6058	5.13	2.82	7.95	-----	1.36	----	4.46	-----	5.82	----	2.72	1.07
6101	5.08	3.62	8.70	-----	1.57	----	4.25	-----	5.82	----	1.98	1.52
6143	4.96	3.14	8.10	-----	3.05	----	2.81	-----	5.86	1.92	1.92	0.82
6218	4.88	2.82	7.70	-----	1.99	----	3.34	-----	5.33	2.22	2.22	0.87
6342	2.93	4.82	7.75	-----	2.20	----	3.54	-----	5.74	2.72	2.72	0.85
----	4.00	4.00	8.00	Bn, Super, T	3.00	----	3.00	Bat G, Bl, Bn	6.00	2.00	2.00	----
6059	6.20	2.60	8.80	-----	0.82	----	2.20	-----	3.02	4.18	4.18	0.60
6266	6.35	2.50	8.85	-----	0.77	----	2.40	-----	3.17	4.11	4.11	0.75
----	6.00	2.00	8.00	Bn, Super, T	1.00	----	2.00	Bat G, Bl, Bn	3.00	4.00	4.00	----
6272	7.51	4.54	12.05	-----	0.84	----	2.19	-----	3.03	2.44	2.44	----
6439	4.50	6.40	10.90	-----	0.93	----	1.97	-----	2.90	2.11	2.11	0.55
----	6.00	4.00	10.00	Bn, Super, T	1.00	----	2.00	Bat G, Bl, Bn	3.00	2.00	2.00	----
6060	6.74	4.26	11.00	-----	0.80	----	1.96	-----	2.76	3.23	3.23	0.70
6075	6.55	4.10	10.65	-----	0.98	----	1.90	-----	2.88	2.72	2.72	0.75
6103	5.95	3.50	9.45	-----	----	----	2.58	-----	2.58	2.95	2.95	0.95
6277	6.12	3.68	9.80	-----	----	----	2.76	-----	2.76	2.88	2.88	0.80
----	6.00	4.00	10.00	Bn, Super, T	1.00	----	2.00	Bat G, Bl, Bn	3.00	3.00	3.00	----
6100	5.31	4.54	9.85	-----	1.56	----	2.72	-----	4.28	2.31	2.31	----
6278	6.20	4.10	10.30	-----	0.70	----	3.13	-----	3.83	1.98	1.98	0.95
----	6.00	4.00	10.00	Bn, Super, T	2.00	----	2.00	Bat G, Bl, Bn	4.00	2.00	2.00	----

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Agricultural Chemical Works—				
Continued.				
6078	"L"	-----	J. M. Webster, Upland-----	29.86
6275	"L"	-----	A. R. Hoefer, Orange-----	32.15
	Guaranteed	-----		30.60
6142	Lawn	-----	E. A. Moore, Redlands-----	25.68
6219	Lawn	-----	G. A. Herdeg, Riverside-----	25.93
6265	Lawn	-----	Gowen & Willard, Santa Ana-----	27.10
	Guaranteed	-----		24.50
6279	"M"	-----	R. R. Sherwood, Lordsburg-----	27.08
	Guaranteed	-----		27.30
6061	"N"	-----	W. H. Collins, Covina-----	38.29
6079	"N"	-----	J. M. Webster, Upland-----	37.85
	Guaranteed	-----		38.00
6420	Nitrate and Bone	-----	Geo. T. Vance, Jr., Upland-----	45.36
	Guaranteed	-----		46.40
6341	"O"	-----	E. A. Moore, Redlands-----	29.98
	Guaranteed	-----		26.00
6138	Special	-----	E. A. Moore, Redlands-----	59.68
	Guaranteed	-----		61.20
6343	Special	-----	E. A. Moore, Redlands-----	40.39
	Guaranteed	-----		40.60
6419	Special	-----	W. J. Stowe et al., Los Angeles-----	27.58
6455	Special	-----	Erasmus Wilson, San Gabriel-----	29.42
6477	Special	-----	R. R. Sherwood, Orange-----	28.80
	Guaranteed	-----		28.00
6440	Special	-----	J. D. McClenny, Pomona-----	27.90
6479	Special	-----	R. R. Sherwood, Orange-----	25.75
	Guaranteed	-----		25.60
6478	Special	-----	R. R. Sherwood, Orange-----	31.24
	Guaranteed	-----		32.20
6146	Summer B	-----	E. A. Moore, Redlands-----	31.94
	Guaranteed	-----		31.60
6148	Summer C	-----	E. A. Moore, Redlands-----	38.49
	Guaranteed	-----		38.00
6273*	Tankage	-----	A. R. Hoefer, Orange-----	31.74
	Guaranteed	-----		31.92
6281*	Tankage	-----	J. D. McClenny, Pomona-----	30.17
	Guaranteed	-----		29.40
6057	Tankage Fertilizer	-----	W. H. Collins, Covina-----	35.34
6141	Tankage Fertilizer	-----	E. A. Moore, Redlands-----	36.14
6280	Tankage Fertilizer	-----	J. D. McClenny, Pomona-----	35.80
6438	Tankage Fertilizer	-----	J. D. McClenny, Pomona-----	36.43
	Guaranteed	-----		35.20

\*6273—71% fine.

\*6281—78% fine.



Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6078	6.56	3.74	10.30	-----	1.00	----	1.86	-----	2.86	4.79	4.79	0.67
6275	6.05	4.00	10.05	-----	1.12	----	2.00	-----	3.12	5.56	5.56	0.75
----	5.00	5.00	10.00	<i>Bn, Super, T</i>	1.00	----	2.00	<i>Bat G, Bl, Bn</i>	3.00	5.00	5.00	----
6142	4.83	5.42	10.25	-----	----	----	2.59	-----	2.59	----	2.79	2.70
6219	4.15	6.86	11.00	-----	----	----	2.57	-----	2.57	2.62	2.62	----
6265	6.09	4.96	11.05	-----	----	----	2.89	-----	2.89	----	2.51	1.77
----	5.00	5.00	10.00	<i>Super, T</i>	----	----	2.50	<i>Bat G, Bl, Bn</i>	2.50	----	2.50	----
6279	8.00	4.20	12.20	-----	----	----	2.42	-----	2.42	2.97	2.97	0.70
----	7.00	5.00	12.00	<i>Bn, Super, T</i>	----	----	2.50	<i>Bat G, Bl, Bn</i>	2.50	3.00	3.00	----
6061	6.97	2.78	9.75	-----	1.06	----	3.91	-----	4.97	----	4.85	1.25
6079	6.74	2.56	9.30	-----	1.34	----	3.64	-----	4.98	4.95	4.95	0.90
----	5.00	5.00	10.00	<i>Bn, Super, T</i>	2.00	----	3.00	<i>Bat G, Bl, Bn</i>	5.00	5.00	5.00	----
6420	----	----	1.20	-----	13.94	----	0.18	-----	14.12	----	----	----
----	----	----	.50	<i>Bn</i>	14.50	----	----	-----	14.50	----	----	----
6341	4.06	4.34	8.40	-----	1.06	----	3.34	-----	4.40	2.50	2.50	0.75
----	5.00	3.00	8.00	<i>Bn, Super, T</i>	2.00	----	2.00	<i>Bat G, Bl, Bn</i>	4.00	2.00	2.00	----
6138	----	----	----	-----	----	3.98	10.67	-----	14.65	----	----	----
----	----	----	----	-----	----	4.00	11.00	<i>Bl</i>	15.00	----	----	----
6343	----	----	9.25	-----	1.83	----	6.24	-----	8.07	----	----	----
----	----	10.00	<i>Bn, Fs, G, T</i>	2.00	----	6.00	<i>Bl, Bn, Fs, G, T</i>	8.00	----	----	----	----
6419	----	----	10.20	-----	1.80	----	3.01	-----	4.81	----	----	----
6455	----	----	10.05	-----	1.00	----	4.09	-----	5.09	----	----	----
6477	----	----	10.00	-----	1.12	----	3.86	-----	4.98	----	----	----
----	----	10.00	<i>Bn, Super, T</i>	2.00	----	----	3.00	<i>Bat G, Bl, Bn, Fs</i>	5.00	----	----	----
6440	----	----	12.60	-----	1.50	----	2.80	-----	4.30	----	----	----
6479	----	----	11.75	-----	1.08	----	2.79	-----	3.87	----	----	----
----	----	12.00	<i>Bn, Super, T</i>	2.00	----	----	2.00	<i>Bat G, Bl, Bn, Fs</i>	4.00	----	----	----
6478	----	----	10.05	-----	1.54	----	4.11	-----	5.65	----	----	----
----	----	10.00	<i>Bn, Super, T</i>	2.00	----	----	4.00	<i>Bat G, Bl, Bn, Fs</i>	6.00	----	----	----
6146	4.43	3.32	7.75	-----	----	----	2.34	-----	2.34	7.57	7.57	0.75
----	5.00	3.00	8.00	<i>Bn, Super, T</i>	----	----	2.00	<i>Bat G, Bl, Bn</i>	2.00	8.00	8.00	----
6148	4.07	3.88	7.95	-----	1.73	----	2.18	-----	3.91	8.32	8.32	0.70
----	5.00	3.00	8.00	<i>Bn, Super, T</i>	2.00	----	2.00	<i>Bat G, Bl, Bn</i>	4.00	8.00	8.00	----
6273	----	----	13.60	-----	----	----	5.29	-----	5.29	----	----	----
----	----	----	13.50	-----	----	----	5.35	-----	5.35	----	----	----
6281	----	----	12.20	-----	----	----	5.15	-----	5.15	----	----	----
----	----	12.00	-----	----	----	----	5.00	-----	5.00	----	----	----
6057	----	----	8.00	-----	----	2.85	4.91	-----	7.76	----	----	----
6141	----	----	7.80	-----	----	2.88	5.11	-----	7.99	----	----	----
6280	----	----	8.15	-----	----	2.75	5.07	-----	7.82	----	----	----
6438	----	----	8.65	-----	2.33	1.23	4.52	-----	8.08	----	----	----
----	----	8.00	-----	----	----	4.00	4.00	-----	8.00	----	----	----

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
American Agricultural Chemical Co., Los Angeles, Cal.				
6099	Bradley's California Vegetable_	G. L. Winterbotham, Riverside_____	27.25	
6220	Bradley's California Vegetable_	F. E. Dudderar, Covina_____	29.50	
6243	Bradley's California Vegetable_	M. R. Williams, Monrovia_____	29.30	
	Guaranteed _____		27.46	
6168	Bradley's Grain No. 2_____	Fresno Fuel Co., Fresno_____	23.79	
6241	Bradley's Grain No. 2_____	M. R. Williams, Monrovia_____	21.44	
	Guaranteed _____		20.90	
6130	Bradley's Lawn _____	E. M. Cope, Commercial Co., Redlands	27.31	
6167	Bradley's Lawn _____	Fresno Fuel Co., Fresno_____	28.28	
6217	Bradley's Lawn _____	Morris & Snow Seed Co., Los Angeles	27.15	
6221	Bradley's Lawn _____	F. E. Dudderar, Covina_____	27.55	
6242	Bradley's Lawn _____	M. R. Williams, Monrovia_____	27.26	
6456	Bradley's Lawn _____	A. W. Blake, Pasadena_____	26.13	
6481	Bradley's Lawn _____	Campbell Seed Store, Pasadena_____	26.62	
6527	Bradley's Lawn _____	L. M. Jacobs Co., Pasadena_____	25.56	
	Guaranteed _____		26.12	
6251	Bradley's Lemon Tree_____	Pacific Wood & Coal Co., San Diego__	27.65	
	Guaranteed _____		26.12	
6102	Bradley's Nursery Stock_____	G. L. Winterbotham, Riverside_____	26.51	
6134	Bradley's Nursery Stock_____	E. C. Robinson, Pomona_____	26.08	
6166	Bradley's Nursery Stock_____	Fresno Fuel Co., Fresno_____	28.77	
6214	Bradley's Nursery Stock_____	W. H. Grant, Porterville_____	29.72	
6222	Bradley's Nursery Stock_____	F. E. Dudderar, Covina_____	27.35	
6282	Bradley's Nursery Stock_____	F. E. Dudderar, Covina_____	27.81	
6344	Bradley's Nursery Stock_____	R. S. Thompson, Highland_____	28.38	
6393	Bradley's Nursery Stock_____	R. H. Hille, San Fernando_____	27.88	
6403	Bradley's Nursery Stock_____	W. S. Fenton, Ontario_____	26.33	
	Guaranteed _____		26.12	
6129	Bradley's Orange and Lemon__	E. M. Cope Commercial Co., Redlands	28.17	
	Guaranteed _____		26.74	
Armour Fertilizer Works, Los Angeles, Cal.				
6227	Armour's A _____	Factory at Porterville_____	32.13	
	Guaranteed _____		28.80	
6228	Armour's B _____	Factory at Porterville_____	43.18	
	Guaranteed _____		37.80	
6229	Armour's C _____	Factory at Porterville_____	70.40	
	Guaranteed _____		68.60	
6055	Blood _____	Miss A. R. Brown, Covina_____	61.60	
	Guaranteed _____		62.30	
6069	Blood _____	N. H. Garrison, Ontario_____	62.13	
	Guaranteed _____		62.35	
6121	Blood _____	E. F. Wilson, Upland_____	60.68	
	Guaranteed _____		60.85	

Laboratory Number	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6099	8.29	0.76	9.05	-----	1.83	0.77	0.64	-----	3.24	4.05	4.05	----
6220	8.50	0.70	9.20	-----	2.06	0.75	0.83	-----	3.64	4.37	4.37	----
6243	8.12	1.38	9.50	-----	2.01	0.58	0.92	-----	3.51	4.30	4.30	----
----	8.00	1.00	9.00	<i>Bn, Super</i>	1.90	0.60	0.80	<i>Bat G, Bl, Bn, T</i>	3.30	4.00	4.00	----
6168	8.38	0.32	9.70	-----	1.65	0.35	0.99	-----	2.99	2.25	2.25	----
6241	8.52	0.88	9.40	-----	1.13	0.49	0.86	-----	2.48	2.09	2.09	----
----	8.00	1.00	9.00	<i>Bn, Super</i>	1.26	0.31	0.90	<i>Bat G, Bl, Bn, T</i>	2.47	2.00	2.00	----
6130	8.87	1.28	10.15	-----	2.25	0.74	1.15	-----	4.14	1.89	1.89	----
6167	9.02	0.98	10.00	-----	2.63	0.71	0.98	-----	4.32	2.24	2.24	----
6217	9.15	1.20	10.35	-----	2.26	0.76	1.06	-----	4.08	1.86	1.86	0.52
6221	9.48	1.32	10.80	-----	2.35	0.77	1.05	-----	4.17	1.72	1.72	----
6242	9.34	1.36	10.70	-----	2.31	0.77	1.09	-----	4.17	1.60	1.60	----
6456	8.62	1.28	9.90	-----	2.28	0.95	0.91	-----	4.14	1.53	1.53	----
6481	8.93	1.22	10.15	-----	2.67	0.96	0.62	-----	4.25	1.63	1.63	----
6527	8.66	1.54	10.20	-----	2.29	0.90	0.76	-----	3.95	1.49	1.49	----
----	9.00	1.00	10.00	<i>Bn, Super,</i>	2.35	0.75	1.00	<i>Bat G, Bl, Bn, T</i>	4.10	1.50	1.50	----
6251	9.30	1.40	10.70	-----	2.12	0.78	1.30	-----	4.20	1.64	1.64	----
----	9.00	1.00	10.00	<i>Bn, Super,</i>	2.35	0.75	1.00	<i>Bat G, Bl, Bn, T</i>	4.10	1.50	1.50	----
6102	9.14	1.06	10.20	-----	2.39	0.79	0.95	-----	4.13	1.58	1.58	----
6134	8.93	1.12	10.05	-----	3.15	-----	0.88	-----	4.03	1.63	1.63	----
6166	9.25	1.00	10.25	-----	2.63	0.74	0.92	-----	4.29	2.45	2.45	----
6214	9.59	1.36	10.95	-----	2.69	0.75	1.16	-----	4.60	1.99	1.99	----
6222	9.79	0.86	10.65	-----	2.56	0.70	0.97	-----	4.23	1.63	1.63	----
6282	9.08	1.32	10.40	-----	2.46	0.84	1.05	-----	4.35	1.74	1.74	----
6344	9.58	1.62	11.20	-----	2.48	0.78	1.12	-----	4.38	1.58	1.58	----
6393	8.85	1.60	10.45	-----	2.49	0.67	1.19	-----	4.35	1.68	1.68	0.52
6403	8.87	1.48	10.35	-----	2.22	0.92	0.94	-----	4.08	1.51	1.51	----
----	9.00	1.00	10.00	<i>Bn, Super</i>	2.35	0.75	1.00	<i>Bat, G, Bl, Bn, T</i>	4.10	1.50	1.50	----
6129	7.20	1.90	9.10	-----	2.14	0.66	0.90	-----	3.70	3.62	3.62	----
----	8.00	1.00	9.00	<i>Bn, Super</i>	2.20	0.70	0.80	<i>Bat G, Bl, Bn, T</i>	3.70	3.00	3.00	----
6227	14.08	5.22	19.30	-----	1.54	-----	2.34	-----	3.88	-----	-----	----
----	-----	-----	15.00	<i>Bn, Super</i>	1.50	-----	2.50	<i>Bl, Bn</i>	4.00	-----	-----	----
6228	11.95	2.80	14.75	-----	-----	-----	-----	-----	-----	14.95	14.95	0.85
6229	-----	-----	12.00	<i>Super</i>	-----	-----	-----	-----	-----	13.50	13.50	----
6229	-----	-----	-----	-----	2.41	-----	5.62	-----	8.03	19.54	19.54	1.25
6055	-----	-----	-----	-----	3.00	-----	5.00	<i>Bl</i>	8.00	19.00	19.00	----
6069	-----	-----	-----	-----	-----	-----	14.00	-----	14.00	-----	-----	----
6121	-----	-----	-----	-----	-----	-----	14.16	-----	14.16	-----	-----	----
-----	-----	-----	-----	-----	-----	-----	14.12	-----	14.12	-----	-----	----
-----	-----	-----	-----	-----	-----	-----	14.17	-----	14.17	-----	-----	----
-----	-----	-----	-----	-----	-----	-----	13.79	-----	13.79	-----	-----	----
-----	-----	-----	-----	-----	-----	-----	13.83	-----	13.83	-----	-----	----

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Armour Fertilizer Works— Continued.				
6136	Blood	-----	R. T. Murrell, Pomona-----	59.14
6198	Blood	-----	E. F. Schrei, Lindsay-----	60.85
6336	Blood	-----	W. T. Henderson, Riverside-----	63.58
6351	Blood	-----	I. W. Freeman, Anaheim-----	60.15
6538	Blood	-----	W. H. McCune, Jr., Monrovia-----	58.70
	Guaranteed	-----		61.60
6238	Blood	-----	A. M. Seeley, Covina-----	61.56
	Guaranteed	-----		60.24
6307	Blood	-----	A. P. Griffith Estate, Azusa-----	59.44
6308	Blood	-----	A. P. Griffith Estate, Azusa-----	59.22
6309	Blood	-----	A. P. Griffith Estate, Azusa-----	59.22
6335	Blood	-----	W. T. Henderson, Riverside-----	60.32
6380	Blood	-----	R. E. Fairchild, Redlands-----	60.19
6413	Blood	-----	R. T. Murrell, Pomona-----	60.28
6510	Blood	-----	Mrs. L. S. Poage, Azusa-----	60.10
	Guaranteed	-----		60.28
6313	Blood	-----	Redlands Fruit Assn., Redlands-----	62.39
	Guaranteed	-----		62.52
6379	Blood	-----	R. E. Fairchild, Redlands-----	63.14
	Guaranteed	-----		62.26
6500	Blood	-----	Azusa Foot-Hill Cit. Co., Azusa-----	57.90
6501	Blood	-----	Azusa Foot-Hill Cit. Co., Azusa-----	58.61
6502	Blood	-----	Azusa Foot-Hill Cit. Co., Azusa-----	58.96
6503	Blood	-----	Azusa Foot-Hill Cit. Co., Azusa-----	57.51
6504	Blood	-----	Azusa Foot-Hill Cit. Co., Azusa-----	58.78
6505	Blood	-----	Azusa Foot-Hill Cit. Co., Azusa-----	58.56
6512	Blood	-----	Azusa Foot-Hill Cit. Co., Azusa-----	58.78
6513	Blood	-----	Azusa Foot-Hill Cit. Co., Azusa-----	58.87
6520	Blood	-----	W. H. Lindley, Ontario-----	58.08
	Guaranteed	-----		57.20
6306	Blood	-----	A. M. Seeley, Covina-----	-----
	Sold on Station Analysis.			
6119	Bone, Blood and Potash-----		E. F. Wilson, Upland-----	39.24
6240	Bone, Blood and Potash-----		A. M. Seeley, Covina-----	40.14
	Guaranteed	-----		37.80
6204	Bone, Blood and Potash-----		E. F. Schrei, Lindsay-----	41.65
	Guaranteed	-----		38.30
6201*	Bone Meal	-----	E. A. Zumbro, Riverside-----	38.97
	Guaranteed	-----		34.65
6202*	Bone Meal	-----	E. F. Schrei, Lindsay-----	34.22
	Guaranteed	-----		31.20
6210*	Bone Meal	-----	Chas. Fesler, Covina-----	36.48
6268*	Bone Meal	-----	S. S. Scofield, Azusa-----	34.44
6269*	Bone Meal	-----	Mrs. James Fleming, San Bernardino-----	36.25
	Guaranteed	-----		33.15
6212*	Bone Meal	-----	Azusa Foot-Hill Cit. Co., Azusa-----	35.44
6213*	Bone Meal	-----	Azusa Foot-Hill Cit. Co., Azusa-----	35.83
6254*	Bone Meal	-----	Azusa Foot-Hill Cit. Co., Azusa-----	36.43

\*6201—51% fine.

\*6202—75% fine.

\*6210—65% fine.

\*6268—65% fine.

\*6269—75% fine.

\*6212—63% fine.

\*6213—71% fine.

\*6254—73% fine.

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6136	----	----	----	-----	----	----	13.44	-----	13.44	----	----	----
6198	----	----	----	-----	----	----	13.83	-----	13.83	----	----	----
6336	----	----	----	-----	----	----	14.45	-----	14.45	----	----	----
6351	----	----	----	-----	----	----	13.67	-----	13.67	----	----	----
6538	----	----	----	-----	----	----	13.34	-----	13.34	----	----	----
----	----	----	----	-----	----	----	14.00	-----	14.00	----	----	----
6238	----	----	----	-----	----	----	13.99	-----	13.99	----	----	----
----	----	----	----	-----	----	----	13.69	-----	13.69	----	----	----
6307	----	----	----	-----	----	----	13.51	-----	13.51	----	----	----
6308	----	----	----	-----	----	----	13.46	-----	13.46	----	----	----
6309	----	----	----	-----	----	----	13.46	-----	13.46	----	----	----
6335	----	----	----	-----	----	----	13.71	-----	13.71	----	----	----
6380	----	----	----	-----	----	----	13.68	-----	13.68	----	----	----
6413	----	----	----	-----	----	----	13.70	-----	13.70	----	----	----
6510	----	----	----	-----	----	----	13.66	-----	13.66	----	----	----
----	----	----	----	-----	----	----	13.70	-----	13.70	----	----	----
6313	----	----	----	-----	----	----	14.18	-----	14.18	----	----	----
----	----	----	----	-----	----	----	14.21	-----	14.21	----	----	----
6379	----	----	----	-----	----	----	14.35	-----	14.35	----	----	----
----	----	----	----	-----	----	----	14.15	-----	14.15	----	----	----
6500	----	----	----	-----	----	----	13.16	-----	13.16	----	----	----
6501	----	----	----	-----	----	----	13.32	-----	13.32	----	----	----
6502	----	----	----	-----	----	----	13.40	-----	13.40	----	----	----
6503	----	----	----	-----	----	----	13.07	-----	13.07	----	----	----
6504	----	----	----	-----	----	----	13.36	-----	13.36	----	----	----
6505	----	----	----	-----	----	----	13.31	-----	13.31	----	----	----
6512	----	----	----	-----	----	----	13.36	-----	13.36	----	----	----
6513	----	----	----	-----	----	----	13.38	-----	13.38	----	----	----
6520	----	----	----	-----	----	----	13.20	-----	13.20	----	----	----
----	----	----	----	-----	----	----	13.00	-----	13.00	----	----	----
6306	----	----	----	-----	----	----	13.60	-----	13.60	----	----	----
6119	8.18	1.92	10.10	-----	0.98	0.95	2.09	-----	4.02	----	7.60	1.55
6240	8.26	2.14	10.40	-----	1.10	1.02	2.18	-----	4.30	----	7.42	1.05
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	1.00	1.00	2.00	<i>Bl, Bn, G, T, C S Meal</i>	4.00	7.00	7.00	----
6204	7.34	2.76	10.10	-----	1.62	----	3.09	-----	4.71	7.20	7.20	0.87
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	1.50	----	2.50	<i>Bl, Bn, G, T</i>	4.00	7.00	7.00	----
6201	----	----	23.70	-----	----	----	4.20	-----	4.20	----	----	----
----	----	----	21.00	-----	----	----	3.75	-----	3.75	----	----	----
6202	----	----	29.90	-----	----	----	1.74	-----	1.74	----	----	----
----	----	----	28.23	-----	----	----	1.38	-----	1.38	----	----	----
6210	----	----	27.00	-----	----	----	2.90	-----	2.90	----	----	----
6268	----	----	25.20	-----	----	----	2.80	-----	2.80	----	----	----
6269	----	----	26.70	-----	----	----	2.91	-----	2.91	----	----	----
----	----	----	24.00	-----	----	----	2.75	-----	2.75	----	----	----
6212	----	----	26.50	-----	----	----	2.76	-----	2.76	----	----	----
6213	----	----	26.70	-----	----	----	2.81	-----	2.81	----	----	----
6254	----	----	26.90	-----	----	----	2.91	-----	2.91	----	----	----



Laboratory Number

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND  
NAME OF BRAND.

FROM WHOM OBTAINED.

Value per Ton at  
Station Prices.Armour Fertilizer Works—  
Continued.

6255*	Bone Meal	-----	Azusa Foot-Hill Cit. Co., Azusa	-----	36.28
6256*	Bone Meal	-----	Azusa Foot-Hill Cit. Co., Azusa	-----	35.98
6257*	Bone Meal	-----	Azusa Foot-Hill Cit. Co., Azusa	-----	35.98
6258*	Bone Meal	-----	Azusa Foot-Hill Cit. Co., Azusa	-----	35.92
6259*	Bone Meal	-----	Azusa Foot-Hill Cit. Co., Azusa	-----	35.65
	<i>Guaranteed</i>	-----		-----	32.10
6249*	Bone Flour	-----	H. P. Greene, San Diego	-----	33.32
	<i>Guaranteed</i>	-----		-----	31.80
6349*	Bone Meal	-----	I. W. Freeman, Anaheim	-----	34.53
	<i>Guaranteed</i>	-----		-----	30.30
6250*	Bone Meal	-----	H. P. Greene, San Diego	-----	34.71
	<i>Guaranteed</i>	-----		-----	34.71
6430*	Bone Meal	-----	E. M. Hudson, Los Angeles	-----	38.72
	<i>Guaranteed</i>	-----		-----	36.60
6348*	Bone Meal	-----	I. W. Freeman, Anaheim	-----	35.23
	<i>Guaranteed</i>	-----		-----	36.00
6459*	Bone Meal	-----	John Blake, Pasadena	-----	35.71
	<i>Guaranteed</i>	-----		-----	38.20
6483*	Bone Meal	-----	H. M. Bradley, Riverside	-----	38.15
	<i>Guaranteed</i>	-----		-----	34.80
6120	Cropmaker	-----	E. F. Wilson, Upland	-----	30.94
6330	Cropmaker	-----	J. C. Boyd, Rialto	-----	30.83
6338	Cropmaker	-----	W. T. Henderson, Riverside	-----	31.49
6352	Cropmaker	-----	I. W. Freeman, Anaheim	-----	29.51
6381	Cropmaker	-----	R. E. Fairchild, Redlands	-----	31.71
6392	Cropmaker	-----	W. H. Wyckoff, Redlands	-----	29.08
6465	Cropmaker	-----	Tuolumne S. & W. P. Co., Sonora	-----	29.37
	<i>Guaranteed</i>	-----		-----	27.80
6232	Cropmaker Special	-----	Factory at Porterville	-----	33.19
	<i>Guaranteed</i>	-----		-----	28.30
6247	Cropmaker Special	-----	H. P. Green, San Diego	-----	29.45
	<i>Guaranteed</i>	-----		-----	26.80
6357	Cropmaker Special	-----	I. W. Freeman, Anaheim	-----	28.08
	<i>Guaranteed</i>	-----		-----	29.80
6466	Cropmaker Special	-----	Mrs. James Fleming, San Bernardino	-----	29.42
6537	Cropmaker Special	-----	W. H. McCune, Jr., Monrovia	-----	28.17
	<i>Guaranteed</i>	-----		-----	28.30
6428	Cotton Seed Meal	-----	E. M. Hudson, Los Angeles	-----	28.31
	<i>Guaranteed</i>	-----		-----	33.92
6284	Cyanamid	-----	A. M. Seeley, Covina	-----	59.71
	<i>Guaranteed</i>	-----		-----	59.20
6451*	Fish Meal	-----	E. M. Hudson, Los Angeles	-----	41.40
	<i>Guaranteed</i>	-----		-----	40.95
6452*	Fish Meal	-----	E. M. Hudson, Los Angeles	-----	40.87
	<i>Guaranteed</i>	-----		-----	35.70
6453*	Fish Meal	-----	E. M. Hudson, Los Angeles	-----	41.71
	<i>Guaranteed</i>	-----		-----	43.46

\*6250—55% fine. By mistake of manufacturer, since corrected. This was originally guaranteed nitrogen 2.50; phosphoric acid 22.00.

\*6255—73% fine.

\*6256—76% fine.

\*6257—74% fine.

\*6258—76% fine.

\*6259—74% fine.

\*6249—95% fine.

\*6349—71% fine.

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6255	----	----	27.20	-----	----	----	2.81	-----	2.81	----	----	----
6256	----	----	27.80	-----	----	----	2.61	-----	2.61	----	----	----
6257	----	----	27.10	-----	----	----	2.76	-----	2.76	----	----	----
6258	----	----	26.70	-----	----	----	2.83	-----	2.83	----	----	----
6259	----	----	27.80	-----	----	----	2.53	-----	2.53	----	----	----
----	----	----	24.00	-----	----	----	2.50	-----	2.50	----	----	----
6249	----	----	26.10	-----	----	----	2.34	-----	2.34	----	----	----
----	----	----	26.00	-----	----	----	2.00	-----	2.00	----	----	----
6349	----	----	28.10	-----	----	----	2.20	-----	2.20	----	----	----
----	----	----	22.00	-----	----	----	2.50	-----	2.50	----	----	----
6250	----	----	32.50	-----	----	----	1.30	-----	1.30	----	----	----
----	----	----	32.50	-----	----	----	1.30	-----	1.30	----	----	----
6430	----	----	23.70	-----	----	----	4.14	-----	4.14	----	----	----
----	----	----	22.00	-----	----	----	4.00	-----	4.00	----	----	----
6348	----	----	27.10	-----	----	----	2.58	-----	2.58	----	----	----
----	----	----	26.00	-----	----	----	3.00	-----	3.00	----	----	----
6459	----	----	28.20	-----	----	----	2.46	-----	2.46	----	----	----
----	----	----	28.40	-----	----	----	3.01	-----	3.01	----	----	----
6483	----	----	23.30	-----	----	----	4.09	-----	4.09	----	----	----
----	----	----	20.00	-----	----	----	4.00	-----	4.00	----	----	----
6120	8.94	1.46	10.40	-----	1.03	1.17	2.10	-----	4.30	----	2.86	1.08
6330	7.50	3.10	10.60	-----	1.15	1.05	2.14	-----	4.34	----	2.63	1.00
6338	7.71	2.94	10.65	-----	0.92	1.19	2.34	-----	4.45	----	2.66	1.15
6352	7.05	3.80	10.85	-----	0.96	1.04	2.10	-----	4.10	2.26	2.26	0.85
6381	8.18	2.82	11.00	-----	1.05	1.19	2.20	-----	4.44	----	2.70	1.05
6392	7.22	3.58	10.80	-----	1.02	1.06	2.01	-----	4.09	----	2.13	1.10
6465	7.34	3.06	10.40	-----	1.05	0.85	2.23	-----	4.13	----	2.28	1.17
----	8.00	2.00	10.00	Bn, G, Super	1.00	1.00	2.00	Bl, Bn, G, T, C S Meal	4.00	----	2.00	----
6232	8.00	3.00	11.00	-----	1.54	----	2.89	-----	4.43	3.11	3.11	0.80
----	8.00	2.00	10.00	Bn, G, Super	1.50	----	2.50	Bl, Bn, G, T	4.00	2.00	2.00	----
6247	8.66	2.24	10.90	-----	2.84	----	1.08	-----	3.92	3.01	3.01	0.95
----	8.00	2.00	10.00	Bn, G, Super	3.00	----	1.00	Bl, Bn, G, T	4.00	2.00	2.00	----
6357	----	----	9.85	-----	----	----	3.85	-----	3.85	----	1.52	1.10
----	----	----	10.00	Bn	----	----	4.00	Bl, Bn, G, T	4.00	2.00	2.00	----
6466	7.18	3.42	10.60	-----	1.60	----	2.39	-----	3.99	----	2.36	1.75
6537	7.08	3.42	10.50	-----	1.79	----	2.05	-----	3.84	----	2.19	1.15
----	8.00	2.00	10.00	Bn, G, Super	1.50	----	2.50	Bl, Bn, G, T	4.00	2.00	2.00	----
6428	----	----	2.55	-----	----	----	5.60	-----	5.60	1.50	1.50	----
----	----	----	2.80	-----	----	----	6.80	-----	6.80	1.70	1.70	----
6284	----	----	----	-----	----	----	----	-----	18.66	----	----	----
----	----	----	----	-----	----	----	----	-----	18.50	----	----	----
6451	----	----	7.30	-----	----	----	8.64	-----	8.64	----	----	----
----	----	----	6.00	-----	----	----	8.75	-----	8.75	----	----	----
6452	----	----	6.25	-----	----	----	8.69	-----	8.69	----	----	----
----	----	----	4.80	-----	----	----	7.70	-----	7.70	----	----	----
6453	----	----	7.70	-----	----	----	8.60	-----	8.60	----	----	----
----	----	----	6.89	-----	----	----	9.20	-----	9.20	----	----	----

\*6430—51% fine.

\*6348—72% fine.

\*6459—76% fine.

\*6483—48% fine.

\*6451—67% fine.

\*6452—63% fine.

\*6453—74% fine.

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Armour Fertilizer Works— Continued.				
6442	Flower and Fern Food	-----	E. M. Hudson, Los Angeles	35.22
	Guaranteed	-----		34.00
6231	Fruit and Vine	-----	Factory at Porterville	37.39
	Guaranteed	-----		34.60
6206	Lawn and Garden	-----	E. F. Schrei, Lindsay	31.28
6226	Lawn and Garden	-----	Factory at Porterville	35.10
	Guaranteed	-----		27.80
6244	Lawn Special	-----	H. P. Greene, San Diego	26.47
	Guaranteed	-----		25.40
6360	Lawn Special	-----	I. W. Freeman, Anaheim	27.39
6429	Lawn Special	-----	E. M. Hudson, Los Angeles	25.82
6457	Lawn Special	-----	John Blake, Pasadena	26.11
6473	Lawn Special	-----	I. W. Freeman, Anaheim	23.00
	Guaranteed	-----		26.40
6245	Special Lawn Special	-----	H. P. Greene, San Diego	25.66
	Guaranteed	-----		24.90
6118	Nitrate of Soda	-----	E. F. Wilson, Upland	48.06
6137	Nitrate of Soda	-----	R. T. Murrell, Pomona	48.32
6203	Nitrate of Soda	-----	E. F. Schrei, Lindsay	48.51
6285	Nitrate of Soda	-----	A. M. Seeley, Covina	50.27
6329	Nitrate of Soda	-----	J. C. Boyd, Rialto	48.86
6339	Nitrate of Soda	-----	W. T. Henderson, Riverside	48.51
	Guaranteed	-----		48.00
6054	Orange Tree Manure	-----	A. B. Hill, Pomona	28.70
6207	Orange Tree Manure	-----	E. F. Schrei, Lindsay	32.98
6233	Orange Tree Manure	-----	Factory at Porterville	32.58
6382	Orange Tree Manure	-----	R. E. Fairchild, Redlands	30.67
6474	Orange Tree Manure	-----	I. W. Freeman, Anaheim	31.02
	Guaranteed	-----		28.10
6124	Orange Tree Special	-----	E. F. Wilson, Upland	26.88
6458	Orange Tree Special	-----	John Blake, Pasadena	28.88
	Guaranteed	-----		26.10
6358	Special Orange Tree Special	-----	Anaheim Cit. Fruit Assn., Anaheim	27.72
	Guaranteed	-----		27.60
6359	Special Orange Tree Manure	-----	Garden Grove Lmb. Co., Garden Grove	29.25
	Guaranteed	-----		28.10
6383	Special Orange Tree Manure	-----	R. E. Fairchild, Redlands	31.00
	Guaranteed	-----		29.60
6098	Special	-----	C. L. Nye, Riverside	38.77
	Guaranteed	-----		36.60

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6442	7.15	3.20	10.35	-----	2.47	----	2.78	-----	5.25	3.16	3.16	0.97
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	2.00	----	3.00	<i>Bl, Bn, G, T</i>	5.00	3.00	3.00	----
6231	5.82	2.58	8.40	-----	0.95	----	1.16	-----	2.11	10.96	10.96	0.85
----	6.00	2.00	8.00	<i>Bn, G, Super</i>	1.00	----	1.00	<i>Bl, Bn, G, T, C S Meal</i>	2.00	10.00	10.00	----
6206	4.24	2.36	6.60	-----	1.65	----	2.78	-----	4.43	4.19	4.19	0.70
6226	4.45	2.20	6.65	-----	1.36	----	3.12	-----	4.48	5.83	5.83	0.90
----	4.00	1.00	5.00	<i>Bn, G, Super</i>	1.50	----	2.50	<i>Bl, Bn, G, T</i>	4.00	4.00	4.00	----
6244	3.91	1.64	5.55	-----	2.05	----	2.27	-----	4.32	2.69	2.69	0.87
----	4.00	1.00	5.00	<i>Bn, G, Super</i>	2.00	----	2.50	<i>Bl, Bn, G, T</i>	4.50	2.00	2.00	----
6360	2.20	3.10	5.30	-----	1.20	----	3.50	-----	4.70	----	2.04	1.45
6429	3.05	2.30	5.35	-----	1.08	----	3.33	-----	4.41	----	1.78	1.30
6457	3.24	2.16	5.40	-----	1.27	----	3.14	-----	4.41	----	2.00	1.30
6473	3.01	1.94	4.95	-----	1.21	----	2.58	-----	3.79	----	1.92	1.02
----	4.00	1.00	5.00	<i>Bn, G, Super</i>	1.00	----	3.50	<i>Bl, Bn, G, T, C S Meal</i>	4.50	2.00	2.00	----
6245	4.26	1.14	5.40	-----	2.23	----	2.04	-----	4.27	----	2.55	1.05
----	4.00	1.00	5.00	<i>Bn, G, Super</i>	2.50	----	2.00	<i>Bl, Bn, G, T, C S Meal</i>	4.50	2.00	2.00	----
6118	-----	-----	-----	-----	15.02	----	-----	-----	15.02	-----	-----	-----
6137	-----	-----	-----	-----	15.10	----	-----	-----	15.10	-----	-----	-----
6203	-----	-----	-----	-----	15.16	----	-----	-----	15.16	-----	-----	-----
6285	-----	-----	-----	-----	15.71	----	-----	-----	15.71	-----	-----	-----
6329	-----	-----	-----	-----	15.27	----	-----	-----	15.27	-----	-----	-----
6339	-----	-----	-----	-----	15.16	----	-----	-----	15.16	-----	-----	-----
----	-----	-----	-----	-----	15.00	----	-----	-----	15.00	-----	-----	-----
6054	8.51	1.24	9.75	-----	1.00	0.50	1.53	-----	3.03	----	4.35	1.65
6207	7.85	2.70	10.55	-----	1.63	----	1.92	-----	3.55	5.10	5.10	0.90
6233	8.61	2.74	11.35	-----	1.55	----	1.81	-----	3.36	4.90	4.90	-----
6382	8.24	2.16	10.40	-----	1.17	0.55	1.62	-----	3.34	4.50	4.50	0.97
6474	7.11	3.64	10.75	-----	1.49	----	1.47	-----	2.96	5.20	5.20	0.80
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	1.00	0.50	1.50	<i>Bl, Bn, G, T, C S Meal</i>	3.00	4.00	4.00	----
6124	7.96	2.34	10.30	-----	1.15	0.59	1.29	-----	3.03	3.31	3.31	0.80
6458	7.47	3.78	11.25	-----	0.71	0.55	1.82	-----	3.08	3.54	3.54	0.82
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	1.00	0.50	1.50	<i>Bl, Bn, G, T</i>	3.00	3.00	3.00	----
6358	-----	-----	10.00	-----	-----	----	3.09	-----	3.09	2.87	2.87	0.80
----	-----	-----	10.00	<i>Bn,</i>	-----	----	3.00	<i>Bl, Bn, T</i>	3.00	3.00	3.00	----
6359	7.44	2.36	9.80	-----	1.54	----	1.69	-----	3.23	4.20	4.20	0.55
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	1.50	----	1.50	<i>Bl, Bn, G, T</i>	3.00	4.00	4.00	----
6383	8.49	2.36	10.85	-----	1.10	0.52	1.64	-----	3.26	4.58	4.58	0.90
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	-----	----	----	-----	3.00	4.00	4.00	----
6098	6.03	5.32	11.35	-----	0.76	----	2.11	-----	2.87	8.63	8.63	0.72
----	10.00	-----	-----	<i>Bn, G, Super</i>	1.00	----	2.00	<i>Bl, Bn, G, T</i>	3.00	8.00	8.00	----

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Armour Fertilizer Works—Continued.				
6126	Special	-----	E. F. Wilson, Upland-----	38.67
	Guaranteed	-----	-----	36.60
6122	Special	-----	E. F. Wilson, Upland-----	33.53
6236	Special	-----	A. M. Seeley, Covina-----	36.37
	Guaranteed	-----	-----	32.40
6125	Special	-----	E. F. Wilson, Upland-----	33.70
	Guaranteed	-----	-----	31.50
6199	Special	-----	E. F. Schrei, Lindsay-----	36.46
	Guaranteed	-----	-----	34.70
6205	Special	-----	E. F. Schrei, Lindsay-----	38.94
	Guaranteed	-----	-----	34.10
6208	Special, Powers	-----	Factory at Porterville-----	43.82
	Guaranteed	-----	-----	40.10
6225	Special	-----	Factory at Porterville-----	45.08
	Guaranteed	-----	-----	44.30
6246	Special	-----	H. P. Greene, San Diego-----	39.58
	Guaranteed	-----	-----	38.80
6377	Special	-----	D. P. Stone, Redlands-----	33.59
	Guaranteed	-----	-----	33.00
6378	Special	-----	D. P. Stone, Redlands-----	42.43
	Guaranteed	-----	-----	41.00
6398	Special	-----	Mrs. M. Gray, Ontario-----	33.01
	Guaranteed	-----	-----	32.20
6450	Special	-----	E. M. Hudson, Los Angeles-----	21.80
	Guaranteed	-----	-----	21.20
6472	Special Vegetable	-----	I. W. Freeman, Anaheim-----	26.23
	Guaranteed	-----	-----	26.40
6237	Special 6-8-1	-----	A. M. Seeley, Covina-----	37.58
6471	Special 6-8-1	-----	I. W. Freeman, Anaheim-----	38.14
6486	Special 6-8-1	-----	L. Drendel, Azusa-----	34.93
6487	Special 6-8-1	-----	Chas. Menefee, Covina-----	34.75
6499	Special 6-8-1	-----	Mrs. S. F. McDonald, Glendora-----	34.56
	Guaranteed	-----	-----	34.40
6109*	Tankage	-----	E. F. Wilson, Upland-----	42.47
6350*	Tankage	-----	I. W. Freeman, Anaheim-----	42.78
	Guaranteed	-----	-----	45.35
6200*	Tankage	-----	H. M. Bradley, Riverside-----	30.65
6211*	Tankage	-----	W. S. Hathaway, Riverside-----	31.40
6239*	Tankage	-----	A. M. Seeley, Covina-----	31.98
	Guaranteed	-----	-----	31.85

\*6109—62% fine.

\*6350—61% fine.

\*6200—63% fine.

\*6211—71% fine.

\*6239—70% fine. Some hoof.



Laboratory Number	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6126	----	----	20.10	----	----	----	3.28	-----	3.28	3.40	3.40	0.60
----	----	----	20.00	<i>Bn</i>	----	----	3.00	<i>Bl, Bn, T</i>	3.00	3.00	3.00	----
6122	----	----	19.80	-----	----	----	2.25	-----	2.25	3.13	3.13	----
6236	----	----	21.40	-----	----	----	2.54	-----	2.54	3.22	3.22	----
----	----	----	20.00	<i>Bn, Super</i>	----	----	2.00	<i>Bl, Bn, T</i>	2.00	3.00	3.00	----
6125	7.85	2.30	10.15	-----	1.04	1.61	2.52	-----	5.17	----	2.75	1.65
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	1.00	1.50	2.50	<i>Bl, Bn, G, T, C S Meal</i>	5.00	2.00	2.00	----
6199	7.61	4.94	12.55	-----	0.60	----	1.53	-----	2.13	8.41	8.41	0.85
----	8.00	4.00	12.00	<i>Bn, G, Super</i>	0.50	----	1.50	<i>Bn, G</i>	2.00	8.00	8.00	----
6205	7.87	2.68	10.55	-----	1.52	----	1.92	-----	3.44	----	8.26	1.35
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	1.50	----	1.50	<i>Bl, Bn, G, T, C S Meal</i>	3.00	7.00	7.00	----
6208	7.44	2.66	10.10	-----	1.43	----	1.88	-----	3.31	----	11.13	1.22
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	1.50	----	1.50	<i>Bl, Bn, G, T</i>	3.00	10.00	10.00	----
6225	8.01	2.24	10.25	-----	1.69	----	2.14	-----	3.83	----	10.73	1.32
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	1.50	----	2.50	<i>Bl, Bn, G, T</i>	4.00	10.00	10.00	----
6246	7.99	3.16	11.15	-----	2.92	----	0.98	-----	3.90	8.04	8.04	0.90
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	3.00	----	1.00	<i>Bl, Bn, G, T</i>	4.00	8.00	8.00	----
6377	----	----	13.80	-----	1.41	----	2.47	-----	3.88	----	3.14	1.17
----	----	----	13.00	<i>Bn, G, Super</i>	1.50	----	2.50	<i>Bl, Bn, G, T</i>	4.00	3.00	3.00	----
6378	----	----	13.70	-----	1.53	----	2.42	-----	3.95	----	7.52	1.15
----	----	----	13.00	<i>Bn, G, Super</i>	1.50	----	2.50	<i>Bl, Bn, G, T</i>	4.00	7.00	7.00	----
6398	----	----	8.55	-----	----	----	4.96	-----	4.96	----	2.24	1.47
----	----	----	8.00	<i>Bn, Super</i>	----	----	5.00	<i>Bl, Bn, T</i>	5.00	2.00	2.00	----
6450	5.67	2.98	8.65	-----	0.66	----	1.89	-----	2.55	----	1.98	2.00
----	6.00	2.00	8.00	<i>Bn, Super</i>	0.50	----	2.00	<i>Bl, Bn, T</i>	2.50	2.00	2.00	----
6472	----	----	5.55	-----	1.36	----	3.03	-----	4.39	----	2.08	1.35
----	----	----	5.00	<i>Bn, G, Super</i>	1.00	----	3.50	<i>Bl, Bn, G, T, C S Meal</i>	4.50	2.00	2.00	----
6237	----	----	9.20	-----	----	----	6.29	-----	6.29	1.44	1.44	0.62
6471	----	----	9.20	-----	----	----	6.39	-----	6.39	1.51	1.51	0.67
6486	----	----	8.70	-----	----	----	5.91	-----	5.91	----	1.14	1.70
6487	----	----	8.40	-----	----	----	5.93	-----	5.93	----	0.95	1.70
6499	----	----	8.35	-----	----	----	6.04	-----	6.04	----	0.84	1.20
----	----	----	8.00	<i>Bn, G, C S Meal</i>	----	----	6.00	<i>Bl, Bn, G, T, C S Meal</i>	6.00	1.00	1.00	----
6109	----	----	6.05	-----	----	----	9.08	-----	9.08	----	----	----
6350	----	----	6.15	-----	----	----	9.16	-----	9.16	----	----	----
----	----	----	5.50	-----	----	----	9.88	-----	9.88	----	----	----
6200	----	----	13.60	-----	----	----	5.03	-----	5.03	----	----	----
6211	----	----	14.25	-----	----	----	5.10	-----	5.10	----	----	----
6239	----	----	14.85	-----	----	----	5.14	-----	5.14	----	----	----
----	----	----	14.00	-----	----	----	5.25	-----	5.25	----	----	----

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Armour Fertilizer Works— Continued.				
6292*	Tankage	Glendora Land Co., Glendora	38.97	
	Guaranteed		32.35	
6337*	Tankage	W. T. Henderson, Riverside	36.88	
	Guaranteed		38.15	
6327*	Tankage	E. F. Wilson, Upland	40.69	
	Guaranteed		40.67	
6388*	Tankage	R. T. Murrell, Pomona	30.33	
	Guaranteed		29.40	
6389*	Tankage	R. T. Murrell, Pomona	39.54	
	Guaranteed		37.72	
6397*	Tankage	H. G. Koster, Upland	39.91	
	Guaranteed		41.15	
6425*	Tankage	W. B. Cullen, Glendora	44.49	
6426*	Tankage	C. W. Richardson, Glendora	45.00	
	Guaranteed		43.44	
6427*	Tankage	E. M. Hudson, Los Angeles	21.13	
	Guaranteed		19.84	
6433*	Tankage	J. G. Gaylord, Ontario	42.67	
	Guaranteed		43.33	
6441*	Tankage	E. M. Hudson, Los Angeles	52.16	
	Guaranteed		51.95	
6482*	Tankage	J. W. Mays et al., Riverside	35.92	
	Guaranteed		38.89	
6506*	Tankage	John McInerney, San Dimas	39.52	
	Guaranteed		39.20	
6541*	Tankage	W. H. McCune, Jr., Monrovia	43.87	
	Guaranteed		43.33	
6304*	Tankage	J. W. Corwin et al., Highland	---	
6305*	Tankage	A. M. Seeley, Covina	---	
Sold on Station Analysis.				
6068	2-17-5	W. A. Lucas, Cucamonga	38.15	
	Guaranteed		33.70	
Rogers Brown & Co., Los Angeles, Cal.				
6515*	Tankage	Orange Heights Fruit Assn., Corona	41.24	
	Guaranteed		35.92	
6421*	Whale Meat and Bone	W. C. Nickerson, Redlands	39.20	
	Guaranteed		39.42	
6435*	Whale Meat and Bone	Rialto Orange-Lemon Assn., Rialto	44.15	
	Guaranteed		46.66	
<hr/>				
*6292—73% fine. Some hoof.				
*6337—65% fine.				
*6327—81% fine.				
*6388—69% fine.				
*6389—73% fine.				
*6397—67% fine.				
*6425—72% fine.				
*6426—71% fine.				
*6427—58% fine.				
*6433—69% fine.				
*6441—75% fine.				
*6482—77% fine.				
*6506—76% fine.				
*6541—66% fine.				
*6304—69% fine.				
*6305—67% fine.				
*6515—67% fine.				
*6421—58% fine.				
*6435—60% fine.				

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6292	----	----	7.55	-----	----	----	8.02	-----	8.02	----	----	----
-----	----	----	6.86	-----	----	----	6.56	-----	6.56	----	----	----
6337	----	----	6.55	-----	----	----	7.69	-----	7.69	----	----	----
-----	----	----	6.50	-----	----	----	8.00	-----	8.00	----	----	----
6327	----	----	15.05	-----	----	----	7.18	-----	7.18	----	----	----
-----	----	----	13.70	-----	----	----	7.40	-----	7.40	----	----	----
6388	----	----	14.65	-----	----	----	4.78	-----	4.78	----	----	----
-----	----	----	15.00	-----	----	----	4.50	-----	4.50	----	----	----
6389	----	----	7.65	-----	----	----	8.14	-----	8.14	----	----	----
-----	----	----	7.02	-----	----	----	7.81	-----	7.81	----	----	----
6397	----	----	11.60	-----	----	----	7.57	-----	7.57	----	----	----
-----	----	----	11.38	-----	----	----	7.90	-----	7.90	----	----	----
6425	----	----	8.35	-----	----	----	9.20	-----	9.20	----	----	----
6426	----	----	8.60	-----	----	----	9.28	-----	9.28	----	----	----
-----	----	----	7.93	-----	----	----	9.02	-----	9.02	----	----	----
6427	----	----	4.50	-----	----	----	4.28	-----	4.28	----	----	----
-----	----	----	4.34	-----	----	----	4.00	-----	4.00	----	----	----
6433	----	----	8.40	-----	----	----	8.76	-----	8.76	----	----	----
-----	----	----	7.90	-----	----	----	9.00	-----	9.00	----	----	----
6441	----	----	-----	-----	----	----	12.42	-----	12.42	----	----	----
-----	----	----	-----	-----	----	----	12.37	-----	12.37	----	----	----
6482	----	----	11.95	-----	----	----	6.56	-----	6.56	----	----	----
-----	----	----	11.57	-----	----	----	7.33	-----	7.33	----	----	----
6506	----	----	8.10	-----	----	----	8.06	-----	8.06	----	----	----
-----	----	----	8.00	-----	----	----	8.00	-----	8.00	----	----	----
6541	----	----	8.25	-----	----	----	9.07	-----	9.07	----	----	----
-----	----	----	7.90	-----	----	----	9.00	-----	9.00	----	----	----
6304	----	----	8.70	-----	----	----	8.46	-----	8.46	----	----	----
6305	----	----	14.95	-----	----	----	5.23	-----	5.23	----	----	----
-----	----	----	-----	-----	----	----	-----	-----	-----	----	----	----
6068	----	----	16.80	-----	----	----	2.55	-----	2.55	6.16	6.16	0.95
-----	----	----	17.00	<i>Bn, G, Super</i>	----	----	2.00	<i>Bl, Bn, G, T</i>	2.00	5.00	5.00	-----
-----	----	----	-----	-----	----	----	-----	-----	-----	-----	-----	-----
6515	----	----	9.60	-----	----	----	8.22	-----	8.22	----	----	----
-----	----	----	11.90	-----	----	----	6.57	-----	6.57	----	----	----
6421	----	----	12.80	-----	----	----	7.20	-----	7.20	----	----	----
-----	----	----	13.00	-----	----	----	7.22	-----	7.22	----	----	----
6435	----	----	7.75	-----	----	----	9.22	-----	9.22	----	----	----
-----	----	----	5.33	-----	----	----	10.22	-----	10.22	----	----	----

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
California Fertilizer Works, San Francisco, Cal.				
6047	Special -----	A. C. Denman & Sons, Redlands-----	29.43	
	Guaranteed -----		30.70	
6178	Special Nursery Stock-----	A. C. Dungan, Exeter-----	28.15	
	Guaranteed -----		27.80	
6325*	Tankage -----	Stewart Cit. Assn., Upland-----	41.41	
6355*	Tankage -----	Stewart Cit. Assn., Upland-----	41.76	
	Guaranteed -----		43.12	
6354*	Tankage -----	Stewart Cit. Assn., Upland-----	40.46	
	Guaranteed -----		39.61	
Cudahy Packing Co., Los Angeles, Cal.				
6404	Blood -----	I. W. Haskell et al., Azusa-----	59.97	
	Guaranteed -----		60.50	
6542	Blood -----	J. H. Stewart, Redlands-----		
	Sold on Station Analysis.			
6248*	Bone Meal Steamed-----	Geo. Wright, Azusa-----		
	Sold on Station Analysis.			
6235	Cudahy's Commercial Fertilizer	Jerome Reynolds, Covina-----		
	Sold on Station Analysis.			
6444*	Cudahy's Mixed Fertilizer----	R. M. Douglas, Covina-----	32.24	
	Guaranteed -----		36.40	
6402	Cudahy's Special Lawn-----	Valley Supply Co., Glendale-----	30.12	
	Guaranteed -----		32.00	
6407*	Tankage No. 1-----	Mrs. E. P. Hubbard, Azusa-----	39.69	
6446*	Tankage No. 1-----	H. H. Church, Covina-----	39.94	
6511*	Tankage No. 1-----	Mrs. O. F. Wright, Azusa-----	40.14	
	Guaranteed -----		37.80	
6408*	Tankage -----	S. S. Scofield et al., Azusa-----	40.89	
6529*	Tankage No. 2-----	B. L. King, Covina-----	45.28	
6530*	Tankage No. 2-----	B. L. King, Covina-----	40.78	
	Guaranteed -----		40.60	
6405*	Tankage -----	W. M. Warren, Covina-----		
6406*	Tankage -----	I. W. Haskell et al., Azusa-----		
	Sold on Station Analysis.			

\*6444—No statement of derivation. In violation of California Fertilizer Act.

\*6325—85% fine.

\*6355—86% fine.

\*6354—84% fine.

\*6248—71% fine.

\*6407—78% fine.

\*6446—78% fine.

\*6511—73% fine.

\*6408—76% fine.

\*6529—76% fine.

\*6530—76% fine.

\*6405—79% fine.

\*6406—78% fine.

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6047	----	----	11.60	-----	1.61	0.48	2.31	-----	4.40	1.30	1.30	0.65
----	----	----	12.00	<i>Bn</i>	----	2.00	2.50	<i>Bl, Bn</i>	4.50	1.50	1.50	----
6178	4.61	5.14	9.85	-----	1.94	0.58	1.48	-----	4.00	2.50	2.50	0.97
----	6.50	3.50	10.00	<i>Bn, Super</i>	----	2.00	2.00	<i>Bl, Bn</i>	4.00	2.00	2.00	----
6325	----	----	9.40	-----	----	----	8.36	-----	8.36	----	----	----
6355	----	----	9.25	-----	----	----	8.40	-----	8.40	----	----	----
----	----	----	10.00	-----	----	----	8.60	-----	8.60	----	----	----
6354	----	----	8.90	-----	----	----	8.15	-----	8.15	----	----	----
----	----	----	9.30	-----	----	----	7.88	-----	7.88	----	----	----
6404	----	----	----	-----	----	----	13.63	-----	13.63	----	----	----
----	----	----	----	-----	----	----	13.75	-----	13.75	----	----	----
6542	----	----	----	-----	----	----	13.51	-----	13.51	----	----	----
6248	----	----	20.70	-----	----	----	3.04	-----	3.04	----	----	----
6235	----	----	15.50	-----	----	----	2.31	-----	2.31	----	3.55	1.67
6444	----	----	9.50	-----	----	----	4.77	-----	4.77	----	1.83	2.07
----	----	----	8.00	-----	----	----	6.00	-----	6.00	----	2.00	----
6402	----	----	11.30	-----	----	----	4.75	-----	4.75	----	0.43	2.35
----	----	----	8.00	-----	----	----	4.00	-----	4.00	----	4.00	----
6407	----	----	9.00	-----	----	----	7.95	-----	7.95	----	----	----
6446	----	----	7.55	-----	----	----	8.25	-----	8.25	----	----	----
6511	----	----	7.00	-----	----	----	8.39	-----	8.39	----	----	----
----	----	----	6.00	-----	----	----	8.00	-----	8.00	----	----	----
6408	----	----	9.40	-----	----	----	8.17	-----	8.17	----	----	----
6529	----	----	6.30	-----	----	----	9.73	-----	9.73	----	----	----
6530	----	----	8.75	-----	----	----	8.25	-----	8.25	----	----	----
----	----	----	10.00	-----	----	----	8.00	-----	8.00	----	----	----
6405	----	----	6.90	-----	----	----	9.28	-----	9.28	----	----	----
6406	----	----	5.75	-----	----	----	9.75	-----	9.75	----	----	----



Laboratory Number

NAME AND ADDRESS OF MANU-  
FACTURER OR DEALER, AND  
NAME OF BRAND.

FROM WHOM OBTAINED.

Value per Ton at  
Station Prices.**Diamond Fertilizer Co.,  
Los Angeles, Cal.**

6051*	Garbage Tankage	W. H. Young, Duarte	
	<i>Guaranteed</i>		
6117*	Garbage Tankage	G. A. Hansen Fruit Co., Upland	
	<i>Guaranteed</i>		
6131*	Garbage Tankage	Henry Fuller, Bryn Mawr	
6147*	Garbage Tankage	Henry Fuller, Redlands	
6286*	Garbage Tankage	Oak Knoll Co., Pasadena	
6449*	Garbage Tankage	Robert Baird, Porterville	
	<i>Guaranteed</i>		
6052*	Garbage Tankage	A. B. Hill, Pomona	
6053*	Garbage Tankage	A. B. Hill, Pomona	
6067*	Garbage Tankage	L. A. Smith, Cucamonga	
	<i>Sold on Station Analysis.</i>		

**Duff's Odorless Fertilizer Co.,  
Glendale, Cal.**

6395	No. 1	Manufacturer's Warehouse	16.25
	<i>Guaranteed</i>		19.10
6396	No. 3	Manufacturer's Warehouse	
	<i>Guaranteed</i>		
6514	No. 3	R. P. Kleinhaus, Malden, Wash.	
	<i>Guaranteed</i>		

**General Fertilizer Association,  
San Bernardino, Cal.**

6288	Bat Guano	H. D. Derwin, Upland	39.35
	<i>Guaranteed</i>		44.73
6400	Bat Guano	H. D. Derwin, Upland	
	<i>Sold on Station Analysis.</i>		
6531*	Bone Meal	J. E. Schermerhorn, Highgrove	38.44
	<i>Guaranteed</i>		36.15
6493*	Fish Meal	J. A. Hall, Cucamonga	46.11
	<i>Guaranteed</i>		48.65
6491*	Garbage Tankage	D. R. Kilbourne, Cucamonga	
6492*	Garbage Tankage	W. E. Morse, Alta Loma	
	<i>Guaranteed</i>		
6071	G. F. A. No. 2	Factory at Ontario	28.49
	<i>Guaranteed</i>		28.80
6111	G. F. A. Special No. 2	J. H. Reynolds, Redlands	28.05
	<i>Guaranteed</i>		27.80
6321	G. F. A. Special No. 2	J. H. Reynolds, Redlands	24.03
	<i>Guaranteed</i>		29.80
6460	G. F. A. Special No. 2	F. F. Oster, Los Angeles	23.13
	<i>Guaranteed</i>		29.20

\*6051—29% fine. In absence of market quotations no prices are given on Garbage Tankage.  
 \*6117—29% fine. In absence of market quotations no prices are given on Garbage Tankage.  
 \*6131—25% fine. In absence of market quotations no prices are given on Garbage Tankage.  
 \*6147—28% fine. In absence of market quotations no prices are given on Garbage Tankage.  
 \*6286—23% fine. In absence of market quotations no prices are given on Garbage Tankage.  
 \*6449—28% fine. In absence of market quotations no prices are given on Garbage Tankage.  
 \*6052—28% fine. In absence of market quotations no prices are given on Garbage Tankage.  
 \*6053—27% fine. In absence of market quotations no prices are given on Garbage Tankage.  
 \*6067—27% fine. In absence of market quotations no prices are given on Garbage Tankage.

Laboratory Number	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6051	----	----	2.80	-----	----	----	3.10	-----	3.10	----	1.25	----
----	----	----	3.15	-----	----	----	3.10	-----	3.10	----	1.22	----
6117	----	----	3.10	-----	----	----	3.17	-----	3.17	----	1.07	1.20
----	----	----	4.00	-----	----	----	3.30	-----	3.30	----	1.25	----
6131	----	----	2.90	-----	----	----	3.28	-----	3.28	----	1.22	1.57
6147	----	----	2.85	-----	----	----	3.37	-----	3.37	----	1.02	1.25
6286	----	----	2.60	-----	----	----	3.23	-----	3.23	----	1.32	0.72
6449	----	----	2.65	-----	----	----	3.51	-----	3.51	----	1.52	1.32
----	----	----	3.00	-----	----	----	3.00	-----	3.00	----	1.00	----
6052	----	----	3.05	-----	----	----	3.06	-----	3.06	----	1.46	----
6053	----	----	3.05	-----	----	----	3.10	-----	3.10	----	1.23	----
6067	----	----	3.30	-----	----	----	3.34	-----	3.34	----	1.32	----
6395	4.52	1.08	5.60	-----	1.12	0.72	0.93	-----	2.77	----	0.71	----
----	----	----	5.00	<i>Bn, G, Super</i>	----	----	----	<i>Bn, G</i>	3.00	----	1.00	----
6396	----	----	2.90	-----	----	0.78	1.21	-----	1.99	----	1.17	0.57
----	----	----	1.00	<i>G</i>	----	----	1.00	<i>G</i>	1.00	----	1.00	----
6514	----	----	2.70	-----	----	1.10	0.86	-----	1.96	----	1.31	0.57
----	----	----	1.00	<i>Bn, G</i>	----	----	----	<i>Bn, G</i>	1.50	----	1.00	----
6288	----	----	4.40	-----	2.17	1.66	5.05	-----	8.88	----	0.96	----
----	----	----	4.48	-----	----	----	----	-----	9.00	----	1.45	----
6400	----	----	4.40	-----	0.39	1.37	8.20	-----	9.96	----	0.90	----
6531	----	----	26.10	-----	----	----	3.56	-----	3.56	----	----	----
----	----	----	25.00	-----	----	----	3.25	-----	3.25	----	----	----
6493	----	----	6.35	-----	----	----	9.92	-----	9.92	----	----	----
----	----	----	6.50	-----	----	----	10.50	-----	10.50	----	----	----
6491	----	----	2.35	-----	----	----	3.07	-----	3.07	----	1.23	1.35
6492	----	----	2.20	-----	----	----	2.96	-----	2.96	----	1.24	1.20
----	----	----	2.00	-----	----	----	3.00	-----	3.00	----	1.00	----
6071	6.03	3.82	9.85	-----	1.79	----	2.18	-----	3.97	----	2.37	1.25
----	8.00	2.00	10.00	-----	1.50	----	2.62	<i>Bl, Bn, G</i>	4.12	----	2.00	----
6111	5.14	7.16	12.30	-----	2.30	----	1.62	-----	3.92	----	1.41	1.25
----	5.00	5.00	10.00	<i>Bn, G</i>	2.00	----	2.00	<i>Bl, Bn, G</i>	4.00	----	2.00	----
6321	2.93	6.32	9.25	-----	1.70	----	1.62	-----	3.32	----	1.73	----
----	5.00	5.00	10.00	<i>Bn. G.</i>	2.00	----	2.00	<i>Bl, Bn, G</i>	4.00	----	3.00	----
6460	4.02	4.48	8.50	-----	1.69	0.42	1.46	-----	3.57	1.30	1.30	0.77
----	5.00	3.00	8.00	<i>Bn, G</i>	2.00	----	3.00	<i>Bl, Bn, G</i>	5.00	----	1.50	----

\*6531—51% fine.

\*6493—68% fine.

\*6491—33% fine.

\*6492—36% fine.

In absence of market quotations no prices are given on Garbage Tankage.

In absence of market quotations no prices are given on Garbage Tankage.

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
General Fertilizer Association— Continued.				
6073	G. F. A. No. 3	Factory at Ontario		26.79
6191	G. F. A. No. 3	G. F. Fish, Ontario		28.16
	Guaranteed			25.33
6072	G. F. A. No. 5	Factory at Ontario		34.62
	Guaranteed			34.30
6533	G. F. A. No. 5	Factory at Ontario		33.08
	Guaranteed			32.50
6322	G. F. A. No. 5 Special	J. H. Reynolds, Redlands		30.78
	Guaranteed			32.00
6110	Orange and Lemon No. 1	J. H. Reynolds, Redlands		34.32
6320	Orange and Lemon No. 1	J. H. Reynolds, Redlands		29.17
	Guaranteed			34.30
6070	Special Lawn	Factory at Ontario		33.73
	Guaranteed			33.94
6532	Special Mixed	L. R. Lee, Ontario		33.90
	Guaranteed			35.55
Germain Seed and Plant Co., Los Angeles, Cal.				
6362*	Nuvida Lawn and Garden	Manufacturer's Warehouse		27.02
6401*	Nuvida Lawn and Garden	Valley Supply Co., Glendale		28.55
	Guaranteed			23.80
Globe Grain and Milling Co., Los Angeles, Cal.				
6361*	Garbage Tankage	Manufacturer's Warehouse		
	Guaranteed			
Hauser Packing Company, Los Angeles, Cal.				
6463	Blood	Geo. W. Fuhr, Azusa		59.31
	Guaranteed			62.35
6489	Blood	K. Lundeen, Los Angeles		54.87
	Guaranteed			52.80
6544	Blood	E. N. Nahmens, Redlands		62.88
	Guaranteed			62.22
6080*	Bone Meal	Stewart Cit. Assn., Upland		35.36
6081*	Bone Meal	Stewart Cit. Assn., Upland		35.53
6082*	Bone Meal	Stewart Cit. Assn., Upland		35.65
6132*	Bone Meal	Stewart Cit. Assn., Upland		32.66
6150*	Bone Meal	Stewart Cit. Assn., Upland		34.44
6151*	Bone Meal	Stewart Cit. Assn., Upland		34.34
	Guaranteed			32.55

\*6362—Nitrogen given as nitric is guaranteed from cyanamid.

\*6401—Nitrogen given as nitric is guaranteed from cyanamid.

\*6361—31% fine. In absence of market quotations no prices are given on Garbage Tankage.

\*6080—71% fine.

\*6132—65% fine.

\*6081—69% fine.

\*6150—71% fine.

\*6082—67% fine.

\*6151—73% fine.

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6073	4.01	3.94	7.95	-----	1.29	-----	1.02	-----	2.31	-----	5.61	0.72
6191	-----	-----	10.75	-----	-----	-----	1.83	-----	1.83	-----	5.40	-----
-----	6.00	4.00	10.00	<i>Bn, G</i>	0.60	-----	1.05	<i>Bl, Bn, G</i>	1.65	-----	5.00	-----
6072	-----	-----	11.20	-----	1.66	-----	3.56	-----	5.22	-----	2.14	1.25
-----	-----	-----	12.00	<i>Bn, G, T</i>	1.50	-----	3.50	<i>Bl, Bn, G</i>	5.00	-----	2.00	-----
6533	-----	-----	10.55	-----	1.86	-----	3.26	-----	5.12	-----	1.97	0.57
-----	-----	-----	10.00	<i>Bn, G, T</i>	1.50	-----	3.50	<i>Bl, Bn, G</i>	5.00	-----	2.00	-----
6322	3.57	8.08	11.65	-----	2.56	-----	2.00	-----	4.56	-----	1.85	0.60
-----	6.00	4.00	10.00	<i>Bn, G</i>	2.00	-----	3.00	<i>Bl, Bn, G</i>	5.00	-----	2.00	-----
6110	6.44	3.46	9.90	-----	1.67	-----	2.51	-----	4.18	4.76	4.76	1.00
6320	1.94	6.86	8.80	-----	2.00	-----	2.05	-----	4.05	3.12	3.12	0.60
-----	5.00	5.00	10.00	<i>Bn, G, Super</i>	1.50	-----	2.50	-----	4.00	5.00	5.00	-----
6070	-----	-----	6.85	-----	2.55	-----	4.62	-----	7.17	-----	-----	-----
-----	-----	-----	7.00	<i>Bn, G</i>	2.60	-----	4.60	<i>Bl, Bn, G</i>	7.20	-----	-----	-----
6532	-----	-----	5.35	-----	-----	-----	7.18	-----	7.18	-----	0.41	-----
-----	-----	-----	5.36	<i>Bn, G</i>	-----	-----	7.57	<i>Bl, Bn, G</i>	7.57	-----	0.75	-----
6362	8.17	2.08	10.25	-----	-----	-----	-----	-----	4.81	-----	-----	-----
6401	8.91	2.14	11.05	-----	-----	-----	-----	-----	4.43	-----	-----	-----
-----	7.00	3.00	10.00	-----	2.00	-----	2.00	<i>Bl</i>	4.00	-----	-----	-----
6361	-----	-----	2.75	-----	-----	-----	3.58	-----	3.58	-----	1.21	1.52
-----	-----	-----	3.00	-----	-----	-----	3.00	-----	3.00	-----	1.00	-----
6463	-----	-----	-----	-----	-----	-----	13.48	-----	13.48	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	14.17	-----	14.17	-----	-----	-----
6489	-----	-----	-----	-----	-----	-----	12.47	-----	12.47	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	12.00	-----	12.00	-----	-----	-----
6544	-----	-----	-----	-----	-----	-----	14.29	-----	14.29	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	14.14	-----	14.14	-----	-----	-----
6080	-----	-----	23.00	-----	-----	-----	3.49	-----	3.49	-----	-----	-----
6081	-----	-----	23.00	-----	-----	-----	3.53	-----	3.53	-----	-----	-----
6082	-----	-----	22.20	-----	-----	-----	3.73	-----	3.73	-----	-----	-----
6132	-----	-----	20.10	-----	-----	-----	3.47	-----	3.47	-----	-----	-----
6150	-----	-----	21.00	-----	-----	-----	3.70	-----	3.70	-----	-----	-----
6151	-----	-----	21.40	-----	-----	-----	3.59	-----	3.59	-----	-----	-----
-----	-----	-----	21.00	-----	-----	-----	3.25	-----	3.25	-----	-----	-----

Laboratory Number

NAME AND ADDRESS OF MANU-  
FACTURER OR DEALER, AND  
NAME OF BRAND.

FROM WHOM OBTAINED.

Value per Ton at  
Station Prices.**Hauser Packing Co.—**  
Continued.

6209*	Bone Meal -----	Michael Rebhan, Covina-----	37.00
	<i>Guaranteed</i> -----		<i>34.95</i>
6293*	Bone Meal -----	W. M. Baird, Duarte-----	22.57
	<i>Guaranteed</i> -----		<i>21.60</i>
6525*	Garbage Tankage -----	Curtis Ranch Co., Bloomington-----	----
6526*	Garbage Tankage -----	Curtis Ranch Co., Bloomington-----	----
	<i>Guaranteed</i> -----		----
6536	Special -----	W. B. Glidden, Hollywood-----	30.35
	<i>Guaranteed</i> -----		<i>29.80</i>
6048*	Tankage -----	J. C. Wright, Azusa-----	42.18
6373*	Tankage -----	J. C. Wright, Azusa-----	40.58
6418*	Tankage -----	D. F. Bremner, Upland-----	39.94
6423*	Tankage -----	A. B. Cowgill, Redlands-----	39.67
6434*	Tankage -----	H. C. Meek, Upland-----	39.03
6534*	Tankage -----	C. W. Rhodes, Pasadena-----	39.66
6543*	Tankage -----	E. N. Nahmens, Redlands-----	39.49
	<i>Guaranteed</i> -----		<i>39.20</i>
6475*	Tankage -----	D. W. Divine, Highland-----	40.68
	<i>Guaranteed</i> -----		<i>39.06</i>
6370*	Tankage, Big Gun-----	E. D. Berry, Los Angeles-----	44.64
6371*	Tankage, Big Gun-----	H. Damerel et al., Covina-----	45.12
6372*	Tankage, Big Gun-----	Mrs. J. H. Simpson, Covina-----	44.79
6384*	Tankage, Big Gun-----	E. E. Ebersale, Lordsburg-----	45.35
6447*	Tankage -----	J. H. Simpson, Covina-----	44.51
6495*	Tankage -----	G. N. Hamilton, Claremont-----	43.38
	<i>Guaranteed</i> -----		<i>44.80</i>
6090*	Tankage -----	Orange Hts. Ft. Grws. Assn., Corona-----	----
6091*	Tankage -----	Corona Cit. Assn., Corona-----	----
	<i>Sold on Station Analysis.</i>		

**Hawaiian Fertilizer Co., Ltd.,**  
San Francisco, Cal.

6185*	Bone Meal -----	Lindsay Hay & Grain Co., Lindsay--	33.68
	<i>Guaranteed</i> -----		<i>32.70</i>
6184*	Fish Guano -----	Lindsay Hay & Grain Co., Lindsay--	42.41
	<i>Guaranteed</i> -----		<i>38.85</i>
6181	Fruit and Vine A-----	Lindsay Hay & Grain Co., Lindsay--	41.75
	<i>Guaranteed</i> -----		<i>38.30</i>
6187	Fruit and Vine B-----	Lindsay Hay & Grain Co., Lindsay--	34.95
	<i>Guaranteed</i> -----		<i>29.30</i>
6179	Nitrate of Soda-----	Lindsay Hay & Grain Co., Lindsay--	49.86
	<i>Guaranteed</i> -----		<i>48.00</i>
6180	Nursery -----	Lindsay Hay & Grain Co., Lindsay--	35.82
	<i>Guaranteed</i> -----		<i>31.50</i>

\*6209—73% fine.

\*6293—66% fine.

\*6525—39% fine.

\*6526—47% fine.

\*6048—67% fine.

\*6373—73% fine.

In absence of market quotations  
In absence of market quotations

\*6418—56% fine.

\*6423—60% fine.

no prices are given on Garbage Tankage.

no prices are given on Garbage Tankage.

\*6434—68% fine.

\*6534—71% fine.



Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6209	----	----	23.10	-----	----	----	3.86	-----	3.86	----	----	----
----	----	----	22.50	-----	----	----	3.50	-----	3.50	----	----	----
6293	----	----	19.90	-----	----	----	1.11	-----	1.11	----	----	----
----	----	----	20.50	-----	----	----	0.75	-----	0.75	----	----	----
6525	----	----	2.85	-----	----	----	2.76	-----	2.76	----	1.08	1.25
6526	----	----	2.75	-----	----	----	2.40	-----	2.47	----	0.92	1.10
----	----	----	2.75	-----	----	----	3.00	-----	3.00	----	1.20	----
6536	----	----	9.65	-----	----	----	4.41	-----	4.41	1.57	1.57	0.97
----	----	10.00	<i>Bn, T</i>	-----	----	----	4.00	<i>Bl, Bn, T</i>	4.00	2.00	2.00	----
6048	----	----	7.15	-----	----	----	8.85	-----	8.85	----	----	----
6373	----	----	7.75	-----	----	----	8.37	-----	8.37	----	----	----
6418	----	----	8.40	-----	----	----	8.11	-----	8.11	----	----	----
6423	----	----	8.55	-----	----	----	8.02	-----	8.02	----	----	----
6434	----	----	8.65	-----	----	----	7.85	-----	7.85	----	----	----
6534	----	----	8.05	-----	----	----	8.10	-----	8.10	----	----	----
6543	----	----	8.65	-----	----	----	7.96	-----	7.96	----	----	----
----	----	8.00	-----	----	----	----	8.00	-----	8.00	----	----	----
6475	----	----	12.75	-----	----	----	7.56	-----	7.56	----	----	----
----	----	11.40	-----	----	----	----	7.40	-----	7.40	----	----	----
6370	----	----	5.15	-----	----	----	9.77	-----	9.77	----	----	----
6371	----	----	4.10	-----	----	----	10.06	-----	10.06	----	----	----
6372	----	----	4.40	-----	----	----	9.93	-----	9.93	----	----	----
6384	----	----	4.90	-----	----	----	9.98	-----	9.98	----	----	----
6447	----	----	4.85	-----	----	----	9.79	-----	9.79	----	----	----
6495	----	----	5.75	-----	----	----	9.37	-----	9.37	----	----	----
----	----	4.00	-----	----	----	----	10.00	-----	10.00	----	----	----
6090	----	----	8.85	-----	----	----	7.40	-----	7.40	----	----	----
6091	----	----	8.35	-----	----	----	7.57	-----	7.57	----	----	----
6185	----	----	19.60	-----	----	----	3.82	-----	3.82	----	----	----
----	----	20.00	-----	----	----	----	3.50	-----	3.50	----	----	----
6184	----	----	7.85	-----	----	----	8.79	-----	8.79	----	----	----
----	----	7.50	-----	----	----	----	8.00	-----	8.00	----	----	----
6181	9.13	1.22	10.35	-----	1.06	2.12	0.97	-----	4.15	9.09	9.09	0.90
----	7.50	1.50	9.00	<i>Bn, Super, T</i>	1.00	1.50	1.00	<i>Bl, Bn, G, T</i>	3.50	9.00	9.00	----
6187	10.30	1.20	11.50	-----	1.11	2.05	1.04	-----	4.20	5.06	5.06	0.55
----	7.50	1.50	9.00	<i>Bn, Super, T</i>	1.00	1.50	1.00	<i>Bl, Bn, G, T</i>	3.50	4.50	4.50	----
6179	----	----	-----	-----	15.58	----	-----	-----	15.58	----	----	----
----	----	----	-----	-----	15.00	----	-----	-----	15.00	----	----	----
6180	6.86	2.84	9.70	-----	1.08	2.33	2.79	-----	6.20	2.23	2.23	0.60
----	5.00	2.00	7.00	<i>Bn, Super, T</i>	1.00	2.00	3.00	<i>Bl, Bn, G, T</i>	6.00	1.50	1.50	----

\*6543—60% fine.  
 \*6475—73% fine.  
 \*6370—56% fine.  
 \*6371—77% fine.  
 \*6372—75% fine.  
 \*6384—66% fine.

\*6447—63% fine.  
 \*6495—65% fine.  
 \*6090—64% fine.  
 \*6091—71% fine.  
 \*6185—69% fine.  
 \*6184—63% fine.

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Hawaiian Fertilizer Co.—				
Continued.				
6183	Rape Seed Meal	-----	Lindsay Hay & Grain Co., Lindsay--	----
	Guaranteed	-----	-----	----
6182	Special Fall	-----	Lindsay Hay & Grain Co., Lindsay--	30.39
	Guaranteed	-----	-----	26.58
6165	Superphosphate	-----	Johnson Bros. & Co., Turlock-----	17.45
	Guaranteed	-----	-----	15.98
6186*	Tankage	-----	Lindsay Hay & Grain Co., Lindsay--	34.77
	Guaranteed	-----	-----	33.60
Los Angeles Fertilizer Co.,				
Los Angeles, Cal.				
6271	Bat Guano	-----	C. C. Chapman, Fullerton-----	----
	Sold on Station Analysis.	-----	-----	----
6399*	Tankage	-----	A. L. Wright, Jr., Los Angeles-----	27.77
	Guaranteed	-----	-----	29.40
Mountain Copper Company,				
San Francisco, Cal.				
6163	Superphosphate	-----	The Grange Co., Turlock-----	17.84
	Guaranteed	-----	-----	16.83
6454	Superphosphate	-----	Chas. H. Low, Riverside-----	16.51
	Guaranteed	-----	-----	16.45
6156	3-10-2	-----	Union Com. Co., Santa Barbara-----	22.89
	Guaranteed	-----	-----	23.83
Nitrate Agencies Company,				
Los Angeles, Cal.				
6154	Nitrate of Soda	-----	Sparr Fruit Co., Fillmore-----	48.67
6158	Nitrate of Soda	-----	H. Booksin, San Jose-----	48.67
	Guaranteed	-----	-----	48.00
Oakland Meat & Packing Co.,				
Oakland, Cal.				
6387*	Whale Tankage	-----	Alta Cresta Rancho, Riverside-----	49.60
6436*	Whale Tankage	-----	M. C. Mascart, Redlands-----	51.74
	Guaranteed	-----	-----	50.40

\*6186—85% fine.  
\*6399—61% fine.

\*6387—88% fine.  
\*6436—85% fine.

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH		CHLORIN	
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate		Total
6183	----	----	2.40	Phosphates	----	----	4.77	-----	4.77	----	1.07	----
-----	-----	-----	2.00		-----	-----	5.00	-----	5.00	----	1.00	----
6182	11.84	0.16	12.00		-----	-----	-----	-----	-----	-----	9.63	1.25
-----	7.00	5.00	12.00		-----	-----	-----	-----	-----	10.00	10.00	-----
6165	18.56	0.44	19.00		-----	-----	-----	-----	-----	-----	-----	-----
-----	17.00	1.00	18.00	-----	-----	-----	-----	-----	-----	-----	-----	
6186	-----	-----	15.05	-----	-----	-----	5.77	-----	5.77	-----	-----	-----
-----	-----	-----	15.00	-----	-----	-----	5.50	-----	5.50	-----	-----	-----
6271	----	----	6.65	-----	0.57	1.80	5.25	-----	7.62	----	1.91	----
6399	----	----	13.15	-----	----	----	4.42	-----	4.42	----	-----	-----
-----	-----	-----	15.00	-----	----	----	4.50	-----	4.50	----	-----	-----
6163	18.98	0.22	19.20	-----	----	----	-----	-----	-----	-----	-----	-----
-----	17.90	0.30	18.20	-----	----	----	-----	-----	-----	-----	-----	-----
6454	17.56	0.34	17.90	-----	----	----	-----	-----	-----	-----	-----	-----
-----	17.50	0.50	18.00	-----	----	----	-----	-----	-----	-----	-----	-----
6156	9.84	0.36	10.20	-----	1.67	----	1.21	-----	2.88	-----	1.64	1.22
-----	10.00	0.25	10.25	Phosphate of Lime	2.00	----	1.00	Bl	3.00	2.00	2.00	-----
6154	----	----	----	-----	15.21	----	-----	-----	15.21	----	-----	-----
6158	----	----	----	-----	15.21	----	-----	-----	15.21	----	-----	-----
-----	-----	-----	-----	-----	15.00	----	-----	-----	15.00	----	-----	-----
6387	----	----	----	-----	----	----	11.81	-----	11.81	----	-----	-----
6436	----	----	1.10	-----	----	----	12.32	-----	12.32	----	-----	-----
-----	-----	-----	-----	-----	----	----	12.00	-----	12.00	----	-----	-----

Laboratory Number

NAME AND ADDRESS OF MANU-  
FACTURER OR DEALER, AND  
NAME OF BRAND.

FROM WHOM OBTAINED.

Value per Ton at  
Station Prices.**Pacific Bone, Coal and Fertilizing  
Co., San Francisco, Cal.**

6062	Blood -----	California Portland Cem't Co., Colton	61.78
	<i>Guaranteed</i> -----		61.38
6300	Blood -----	Dr. C. S. Lombard, Redlands-----	61.47
	<i>Guaranteed</i> -----		61.78
6063	Blood -----	A. F. Call Estate, Corona-----	----
	<i>Sold on Station Analysis.</i>		
6149*	Bone Meal, Steamed-----	Orange Hts. Fruit Assn., Corona----	35.21
6223*	Bone Meal, Steamed-----	W. A. Strong et al., Los Angeles-----	35.71
6328*	Bone Meal, Steamed-----	Call Lemon Assn., Corona-----	34.89
6333*	Bone Meal, Steamed-----	Rialto Orange Co., Rialto-----	34.78
	<i>Guaranteed</i> -----		34.20
6188	Citrona No. 1-----	Basil Pryor, Lindsay-----	34.69
	<i>Guaranteed</i> -----		34.10
6189	Lupine -----	Basil Pryor, Lindsay-----	27.82
	<i>Guaranteed</i> -----		28.46
6332	Nitrate of Soda-----	Rialto Orange Co., Rialto-----	49.12
	<i>Guaranteed</i> -----		48.00
6331*	Nitrolim Manure -----	Rialto Orange Co., Rialto-----	58.56
	<i>Guaranteed</i> -----		57.60
6374*	Tankage -----	San Jacinto Land Co., Arlington-----	45.38
6375*	Tankage -----	San Jacinto Land Co., Arlington-----	46.41
6516*	Tankage -----	Orange Hts. Fruit Assn., Corona-----	40.24
	<i>Guaranteed</i> -----		45.35
6422*	Tankage -----	W. C. Nickerson, Redlands-----	34.84
	<i>Guaranteed</i> -----		34.30
6461*	Tankage -----	So. Cal State Hospital, Patton-----	34.57
	<i>Guaranteed</i> -----		35.70
6485*	Tankage -----	C. E. McLaughlin, Rialto-----	40.22
	<i>Guaranteed</i> -----		40.60

**Pacific Coast Beef and Provision  
Co., Los Angeles, Cal.**

6431*	Tankage -----	Geo. H. Cheesman, Walnut-----	37.59
	<i>Guaranteed</i> -----		29.05

**Pacific Guano and Fertilizer Co.,  
San Francisco, Cal.**

6411	Blood -----	E. L. Seymour, Highland-----	58.04
	<i>Guaranteed</i> -----		57.86
6523	Blood -----	Lorbeer Bros., Pomona-----	61.42
	<i>Guaranteed</i> -----		61.07
6195*	Bone Meal -----	D. Ostendorf, Lindsay-----	38.29
	<i>Guaranteed</i> -----		35.34
6334*	Bone Meal, Steamed-----	T. J. Dofflemeyer & Sons, Exeter----	36.93
	<i>Guaranteed</i> -----		36.45

\*6149—60% fine.

\*6223—58% fine.

\*6328—70% fine.

\*6333—65% fine.

\*6331—Nitrogen derived from cyanamid.

\*6374—80% fine. Contains hoof.

\*6375—74% fine. Contains hoof.

\*6516—75% fine.

\*6422—81% fine.

\*6461—70% fine.

\*6485—83% fine.

\*6431—75% fine.

\*6195—56% fine.

\*6334—71% fine.

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6062	----	----	----	-----	----	----	14.04	-----	14.04	----	----	----
----	----	----	----	-----	----	----	13.95	-----	13.95	----	----	----
6300	----	----	----	-----	----	----	13.97	-----	13.97	----	----	----
----	----	----	----	-----	----	----	14.04	-----	14.04	----	----	----
6063	----	----	----	-----	----	----	13.81	-----	13.81	----	----	----
6149	----	----	23.40	-----	----	----	3.37	-----	3.37	----	----	----
6223	----	----	23.90	-----	----	----	3.38	-----	3.38	----	----	----
6328	----	----	24.30	-----	----	----	3.10	-----	3.10	----	----	----
6333	----	----	23.80	-----	----	----	3.18	-----	3.18	----	----	----
----	----	----	24.00	-----	----	----	3.00	-----	3.00	----	----	----
6188	7.41	3.64	11.05	-----	1.54	----	1.39	-----	2.93	6.99	6.99	0.60
----	7.00	3.00	10.00	<i>Bn, Super</i>	1.50	----	1.50	<i>Bl, Bn, T</i>	3.00	7.00	7.00	----
6189	8.47	1.08	9.55	-----	----	----	----	-----	----	9.93	9.93	0.65
----	9.00	1.00	10.00	<i>Super</i>	----	----	----	-----	----	10.00	10.00	----
6332	----	----	----	-----	15.35	----	----	-----	15.35	----	----	----
----	----	----	----	-----	15.00	----	----	-----	15.00	----	----	----
6331	----	----	----	-----	----	----	----	-----	18.30	----	----	----
----	----	----	----	-----	----	----	----	-----	18.00	----	----	----
6374	----	----	4.35	-----	----	----	10.08	-----	10.08	----	----	----
6375	----	----	5.70	-----	----	----	10.10	-----	10.10	----	----	----
6516	----	----	5.10	-----	----	----	8.73	-----	8.73	----	----	----
----	----	----	5.50	-----	----	----	9.88	-----	9.88	----	----	----
6422	----	----	13.05	-----	----	----	6.12	-----	6.12	----	----	----
----	----	----	13.00	-----	----	----	6.00	-----	6.00	----	----	----
6461	----	----	3.25	-----	----	----	7.69	-----	7.69	----	----	----
----	----	----	3.00	-----	----	----	8.00	-----	8.00	----	----	----
6485	----	----	9.10	-----	----	----	8.06	-----	8.06	----	----	----
----	----	----	10.00	-----	----	----	8.00	-----	8.00	----	----	----
6431	----	----	9.30	-----	----	----	7.40	-----	7.40	----	----	----
----	----	----	8.50	-----	----	----	5.50	-----	5.50	----	----	----
6411	----	----	----	-----	----	----	13.19	-----	13.19	----	----	----
----	----	----	----	-----	----	----	13.15	-----	13.15	----	----	----
6523	----	----	----	-----	----	----	13.96	-----	13.96	----	----	----
----	----	----	----	-----	----	----	13.88	-----	13.88	----	----	----
6195	----	----	22.90	-----	----	----	4.21	-----	4.21	----	----	----
----	----	----	22.00	-----	----	----	3.70	-----	3.70	----	----	----
6334	----	----	23.30	-----	----	----	3.80	-----	3.80	----	----	----
----	----	----	23.00	-----	----	----	3.75	-----	3.75	----	----	----



Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.	FROM WHOM OBTAINED.	Value per Ton at Station Prices.
<b>Pacific Guano and Fertilizer Co.—</b>			
Continued.			
6193	Diamond F and V-----	D. Ostendorf, Lindsay-----	35.29
6197	Diamond F and V-----	F. Ostendorf, Lindsay-----	35.34
	<i>Guaranteed</i> -----		<i>35.00</i>
6194	Diamond N -----	D. Ostendorf, Lindsay-----	31.52
	<i>Guaranteed</i> -----		<i>27.90</i>
6196	Diamond PP -----	D. Ostendorf, Lindsay-----	29.56
	<i>Guaranteed</i> -----		<i>29.28</i>
6192	Nitrate of Soda-----	D. Ostendorf, Lindsay-----	48.96
	<i>Guaranteed</i> -----		<i>48.00</i>
6123	O.K. -----	T. Miyazaki, San Juan-----	42.42
	<i>Guaranteed</i> -----		<i>45.20</i>
6412	Special -----	A. C. Moll, San Bernardino-----	24.62
6524	Special -----	E. F. Struve, Pomona-----	25.06
	<i>Guaranteed</i> -----		<i>24.75</i>
6416	Special -----	Hugh Latimer, Arlington-----	26.80
6488	Special -----	Hugh Latimer, Arlington-----	26.92
	<i>Guaranteed</i> -----		<i>26.85</i>
6547	Special -----	E. E. Cole, Redlands-----	24.72
	<i>Guaranteed</i> -----		<i>23.90</i>
6162	Superphosphate Gaviota Cresco	T. E. Wilson, Ceres-----	17.71
6267	Superphosphate Cresco -----	Smith & Miner, Santa Ana-----	17.17
6443	Superphosphate Cresco -----	P. B. Goethals, Arlington-----	16.07
	<i>Guaranteed</i> -----		<i>15.98</i>
6410*	Tankage -----	D. W. Divine, Highland-----	34.06
	<i>Guaranteed</i> -----		<i>33.08</i>
6424*	Tankage -----	J. D. Boley et al., Highland-----	33.95
	<i>Guaranteed</i> -----		<i>32.94</i>
6484*	Tankage -----	C. E. McLaughlin, Rialto-----	41.45
	<i>Guaranteed</i> -----		<i>41.67</i>

Pacific Reduction Co.,  
Los Angeles, Cal.

6409*	Organic Tankage	-----	W. M. Warren, Covina-----	-----
6445*	Organic Tankage	-----	M. T. Durrell, Azusa-----	-----
6497*	Organic Tankage	-----	W. M. Baird, Duarte-----	-----
6507*	Organic Tankage	-----	W. M. Baird, Duarte-----	-----
6509*	Organic Tankage	-----	Chas. H. Low, Riverside-----	-----
6522*	Organic Tankage	-----	S. M. L. Cit. Assn., Lamanda Park--	-----
6535*	Organic Tankage	-----	Curtis Ranch Co., Bloomington-----	-----
	<i>Guaranteed</i>	-----		

\*6410—83% fine.

\*6424—93% fine.

\*6484—79% fine.

\*6409—32% fine. In absence of market quotations no prices are given on Garbage Tankage.

\*6445—37% fine. In absence of market quotations no prices are given on Garbage Tankage.

\*6497—31% fine. In absence of market quotations no prices are given on Garbage Tankage.

\*6507—36% fine. In absence of market quotations no prices are given on Garbage Tankage.

\*6509—34% fine. In absence of market quotations no prices are given on Garbage Tankage.  
\*6522—41% fine. In absence of market quotations no prices are given on Garbage Tankage.

\*6522—41% fine. In absence of market quotations no prices are given on Garbage Tankage.

\*5535—41% lime. In absence of market quotations no prices are given on Garbage Tankage.

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6193	8.80	2.30	11.10	-----	0.62	----	2.10	-----	2.72	7.25	7.25	0.67
6197	8.68	1.92	10.60	-----	0.59	----	2.24	-----	2.83	7.25	7.25	0.52
----	8.00	2.00	10.00	<i>Bn, G, Super</i>	0.50	----	2.00	<i>Bl, Bn, T, Fs, G</i>	2.50	7.00	7.00	----
6194	8.89	1.26	10.15	-----	0.96	----	3.47	-----	4.43	2.37	2.37	----
----	8.00	1.00	9.00	<i>Bn, Super</i>	1.00	----	3.00	<i>Bl, Bn, Fs</i>	4.00	2.00	2.00	----
6196	12.40	0.80	13.20	-----	-----	----	-----	-----	-----	8.95	8.95	0.70
----	12.00	1.00	13.00	<i>Super</i>	-----	----	-----	-----	-----	9.00	9.00	----
6192	-----	-----	-----	-----	15.30	-----	-----	-----	15.30	-----	-----	-----
----	-----	-----	-----	-----	15.00	-----	-----	-----	15.00	-----	-----	-----
6123	7.30	0.60	7.90	-----	2.52	----	2.05	-----	4.57	9.32	9.32	0.82
----	7.00	1.00	8.00	<i>Bn, Super, G</i>	3.00	----	2.00	<i>Bl, Bn, G, T</i>	5.00	10.00	10.00	----
6412	-----	-----	10.60	-----	1.66	----	2.83	-----	4.49	-----	0.54	0.95
6524	-----	-----	10.65	-----	1.46	----	3.08	-----	4.54	-----	0.58	1.07
----	-----	-----	10.50	<i>Bn, Super</i>	1.50	----	3.00	<i>Bn, T</i>	4.50	0.50	0.50	----
6416	-----	-----	10.75	-----	1.27	----	3.11	-----	4.38	-----	0.85	0.97
6488	-----	-----	10.85	-----	1.62	----	2.85	-----	4.47	-----	0.79	1.00
----	-----	-----	10.50	<i>Bn, Super</i>	1.50	----	3.00	<i>Bn, T</i>	4.50	0.50	0.50	----
6547	7.17	0.78	7.95	-----	1.27	0.30	1.48	-----	3.05	-----	3.16	1.60
----	7.00	-----	7.00	<i>G, Super</i>	1.00	----	2.00	<i>G, T</i>	3.00	3.00	3.00	----
6162	18.84	0.36	19.20	-----	-----	----	-----	-----	-----	-----	-----	-----
6267	18.28	0.22	18.50	-----	-----	----	-----	-----	-----	-----	-----	-----
6443	17.10	0.60	17.70	-----	-----	----	-----	-----	-----	-----	-----	-----
----	17.00	1.00	18.00	-----	-----	----	-----	-----	-----	-----	-----	-----
6410	-----	-----	16.55	-----	-----	----	5.35	-----	5.35	-----	-----	-----
----	-----	-----	15.75	-----	-----	----	5.25	-----	5.25	-----	-----	-----
6424	-----	-----	20.30	-----	-----	----	4.70	-----	4.70	-----	-----	-----
----	-----	-----	19.75	-----	-----	----	4.55	-----	4.55	-----	-----	-----
6484	-----	-----	9.00	-----	-----	----	8.37	-----	8.37	-----	-----	-----
----	-----	-----	8.95	-----	-----	----	8.43	-----	8.43	-----	-----	-----
6409	-----	-----	2.65	-----	-----	----	3.07	-----	3.07	-----	1.23	1.27
6445	-----	-----	3.00	-----	-----	----	3.10	-----	3.10	-----	1.18	1.17
6497	-----	-----	2.45	-----	-----	----	3.05	-----	3.05	-----	1.52	1.35
6507	-----	-----	2.25	-----	-----	----	2.88	-----	2.88	-----	1.26	1.40
6509	-----	-----	2.15	-----	-----	----	2.68	-----	2.68	-----	1.27	1.20
6522	-----	-----	2.25	-----	-----	----	3.17	-----	3.17	-----	1.24	1.45
6535	-----	-----	2.10	-----	-----	----	2.92	-----	2.92	-----	1.36	1.37
----	-----	-----	2.75	-----	-----	----	3.00	-----	3.00	-----	1.25	----

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Redlands Fruit Association, Redlands, Cal.				
6050	Dried Blood -----	Elmer Hayward, Orange-----	60.37	
	Guaranteed -----		58.08	
Swift & Company, Chicago, Ill.				
6088*	Tankage -----	B. L. Byer, Upland-----	32.75	
	Guaranteed -----		32.20	
Union Fertilizer Co., Los Angeles, Cal.				
6065	Fruiting -----	H. C. Lash, Rialto-----	26.40	
6089	Fruiting -----	E. G. Generent, Corona-----	25.84	
6128	Fruiting -----	E. E. Cole, Redlands-----	26.05	
6133	Fruiting -----	H. O. Blohm, Upland-----	25.89	
6323	Fruiting -----	E. E. Cole, Redlands-----	27.76	
6363	Fruiting -----	F. Bebermeyer, Orange-----	25.83	
6390	Fruiting -----	Geo. R. Tyler, Pomona-----	27.43	
6415	Fruiting -----	H. C. Lash, Rialto-----	29.03	
	Guaranteed -----		24.90	
6066	Nursery -----	H. C. Lash, Rialto-----	31.41	
6127	Nursery -----	E. E. Cole, Redlands-----	29.61	
6324	Nursery -----	E. E. Cole, Redlands-----	29.82	
6391	Nursery -----	Geo. R. Tyler, Pomona-----	32.28	
	Guaranteed -----		28.75	
6496*	Rock Phosphate -----	Wright Bros., Riverside-----	----	
	Guaranteed -----		----	
Union Superphosphate Co., San Francisco, Cal.				
6153	Superphosphate -----	Sparr Fruit Co., Fillmore-----	17.38	
	Guaranteed -----		15.98	
Western Fertilizer Co., San Francisco, Cal.				
6230*	Wizard -----	Nance & Tater, Porterville-----	33.12	
6283*	Wizard -----	Riverside Milling Co., Riverside-----	36.76	
	Guaranteed -----		44.40	
6252*	Wizard -----	C. H. Nearpass, San Diego-----	38.58	
	Guaranteed -----		43.30	

\*6088—58% fine.

\*6496—36% fine. Through 100 mesh sieve.

\*6230—No statement of derivation. In violation of the California Fertilizer Act.

\*6283—No statement of derivation. In violation of the California Fertilizer Act.

\*6252—No statement of derivation. In violation of the California Fertilizer Act.

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6050	----	----	----	-----	----	----	13.72	-----	13.72	----	----	----
----	----	----	----	-----	----	----	13.20	-----	13.20	----	----	----
6088	----	----	24.10	-----	----	----	3.78	-----	3.78	----	----	----
----	----	----	22.00	-----	----	----	4.00	-----	4.00	----	----	----
6065	7.23	1.32	8.55	-----	1.27	----	1.89	-----	3.16	----	3.35	0.95
6089	6.77	1.58	8.35	-----	0.37	0.90	1.88	-----	3.15	----	3.18	0.90
6128	6.36	1.14	7.50	-----	0.83	0.38	2.05	-----	3.26	----	3.41	0.77
6133	6.99	0.96	7.95	-----	1.33	----	1.89	-----	3.22	----	3.27	1.10
6323	6.02	2.68	8.70	-----	1.23	----	2.26	-----	3.49	----	3.25	0.92
6363	6.10	2.30	8.40	-----	1.07	----	2.01	-----	3.08	----	3.20	0.60
6390	6.25	2.60	8.85	-----	1.10	----	2.24	-----	3.34	----	3.27	0.55
6415	6.75	2.70	9.45	-----	0.39	0.93	2.31	-----	3.63	----	3.30	1.00
----	7.00	1.50	8.50	<i>Bn, Super,</i>	0.75	0.60	1.65	<i>Bn, G, T</i>	3.00	----	3.00	----
				<i>G, T</i>								
6066	6.58	0.72	7.30	-----	1.71	----	3.46	-----	5.17	----	2.42	0.87
6127	5.57	2.38	7.95	-----	1.81	----	3.09	-----	4.90	----	1.84	----
6324	5.23	2.82	8.05	-----	2.10	----	2.88	-----	4.98	----	1.88	0.57
6391	6.12	1.78	7.90	-----	1.50	0.49	3.46	-----	5.46	----	2.12	1.02
----	6.00	1.50	7.50	<i>Bn, Super</i>	1.00	1.00	3.00	<i>Bn, G, T</i>	5.00	----	1.50	----
				<i>G, T</i>								
6496	----	----	32.00	-----	----	----	----	-----	----	----	----	----
----	----	----	34.00	-----	----	----	----	-----	----	----	----	----
6153	18.50	0.30	18.80	-----	----	----	----	-----	----	----	----	----
----	17.00	1.00	18.00	-----	----	----	----	-----	----	----	----	----
6230	6.23	2.92	9.15	-----	4.67	----	----	-----	4.67	4.97	4.97	0.60
6283	6.81	2.14	8.95	-----	5.92	----	----	-----	5.92	----	4.88	0.62
----	8.00	----	----	-----	----	----	----	-----	6.00	6.00	6.00	----
6252	9.42	1.08	10.50	-----	6.26	----	----	-----	6.26	----	4.55	0.65
----	9.00	----	----	-----	----	----	----	-----	6.00	5.00	5.00	----

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Western Meat Company, San Francisco, Cal.				
6084	Blood, Diamond H	Dr. J. S. Carroll, Pomona	62.08	
	Guaranteed		63.71	
6093	Blood, Diamond H	J. Henry Reynolds, Redlands	61.95	
	Guaranteed		61.91	
6104	Blood, Diamond H	B. L. Byer, Upland	60.81	
	Guaranteed		64.02	
6289	Blood, Diamond H	H. D. Derwin, Upland	60.59	
	Guaranteed		59.88	
6294	Blood, Diamond H	Fruit Growers Supply Co., Los An.	54.91	
6295	Blood, Diamond H	Redlands Fruit Assn., Redlands	55.44	
6296	Blood, Diamond H	Fruit Growers Supply Co., Los An.	55.13	
	Guaranteed		54.21	
6318	Blood, Diamond H	J. H. Reynolds, Redlands	61.16	
	Guaranteed		59.75	
6319	Blood, Diamond H	J. H. Reynolds, Redlands	61.42	
	Guaranteed		62.22	
6368	Blood, Diamond H	E. L. Koethen, Riverside	61.42	
	Guaranteed		60.37	
6521	Blood, Diamond H	C. L. Nickle, Glendora	59.58	
	Guaranteed		59.40	
6528	Blood, Diamond H	Chas. Page, Covina	61.34	
	Guaranteed		62.92	
6347*	Bone Meal	Benchley Fruit Co., Fullerton	36.04	
	Guaranteed		35.10	
6161*	Bone Meal, Diamond G	J. S. West, Modesto	32.68	
	Guaranteed		32.85	
6234*	Bone Meal, Diamond G	Bakersfield Sandst. Brick Co., B'field	33.09	
	Guaranteed		33.06	
6270*	Bone Meal, Diamond G	C. L. Nickle, Glendora	34.63	
6376*	Bone Meal, Diamond G	E. L. Koethen, Riverside	35.18	
	Guaranteed		32.70	
6095*	Bone Meal Special	J. H. Reynolds, Redlands	33.37	
	Guaranteed		32.70	
6135*	Bone Meal Special	P. J. Neilly, Pomona	34.02	
	Guaranteed		33.06	
6551*	Bone Meal Special	Alta Cresta Rancho, Riverside	31.18	
	Guaranteed		30.30	
6164	Diamond B	Knutsen Bros., Turlock	33.64	
	Guaranteed		30.40	
6345	Diamond C	Benchley Fruit Co., Fullerton	33.57	
	Guaranteed		33.15	
6469	Diamond D	B. L. Byer, Upland	30.96	
	Guaranteed		26.80	

\*6347—59% fine.  
 \*6161—85% fine.  
 \*6234—91% fine.  
 \*6270—74% fine.

\*6376—77% fine.  
 \*6095—66% fine.  
 \*6135—76% fine.  
 \*6551—49% fine.



Laboratory Number	PHOSPHORIC ACID					NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from		In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6084	----	----	----	-----	----	----	14.11	-----	14.11	----	----	----	----
----	----	----	----	-----	----	----	14.48	-----	14.48	----	----	----	----
6093	----	----	----	-----	----	----	14.08	-----	14.08	----	----	----	----
----	----	----	----	-----	----	----	14.07	-----	14.07	----	----	----	----
6104	----	----	----	-----	----	----	13.82	-----	13.82	----	----	----	----
----	----	----	----	-----	----	----	14.55	-----	14.55	----	----	----	----
6289	----	----	----	-----	----	----	13.77	-----	13.77	----	----	----	----
----	----	----	----	-----	----	----	13.61	-----	13.61	----	----	----	----
6294	----	----	----	-----	----	----	12.48	-----	12.48	----	----	----	----
6295	----	----	----	-----	----	----	12.60	-----	12.60	----	----	----	----
6296	----	----	----	-----	----	----	12.53	-----	12.53	----	----	----	----
----	----	----	----	-----	----	----	12.32	-----	12.32	----	----	----	----
6318	----	----	----	-----	----	----	13.90	-----	13.90	----	----	----	----
----	----	----	----	-----	----	----	13.58	-----	13.58	----	----	----	----
6319	----	----	----	-----	----	----	13.96	-----	13.96	----	----	----	----
----	----	----	----	-----	----	----	14.14	-----	14.14	----	----	----	----
6368	----	----	----	-----	----	----	13.96	-----	13.96	----	----	----	----
----	----	----	----	-----	----	----	13.72	-----	13.72	----	----	----	----
6521	----	----	----	-----	----	----	13.54	-----	13.54	----	----	----	----
----	----	----	----	-----	----	----	13.50	-----	13.50	----	----	----	----
6528	----	----	----	-----	----	----	13.94	-----	13.94	----	----	----	----
----	----	----	----	-----	----	----	14.30	-----	14.30	----	----	----	----
6347	----	----	25.20	-----	----	----	3.18	-----	3.18	----	----	----	----
----	----	----	25.00	-----	----	----	3.00	-----	3.00	----	----	----	----
6161	----	----	32.20	-----	----	----	0.88	-----	0.88	----	----	----	----
----	----	----	32.30	-----	----	----	0.90	-----	0.90	----	----	----	----
6234	----	----	32.80	-----	----	----	0.85	-----	0.85	----	----	----	----
----	----	----	33.00	-----	----	----	0.80	-----	0.80	----	----	----	----
6270	----	----	29.10	-----	----	----	2.01	-----	2.01	----	----	----	----
6376	----	----	27.80	-----	----	----	2.42	-----	2.42	----	----	----	----
----	----	----	27.00	-----	----	----	2.00	-----	2.00	----	----	----	----
6095	----	----	27.70	-----	----	----	2.01	-----	2.01	----	----	----	----
----	----	----	27.00	-----	----	----	2.00	-----	2.00	----	----	----	----
6135	----	----	33.60	-----	----	----	0.90	-----	0.90	----	----	----	----
----	----	----	33.70	-----	----	----	0.65	-----	0.65	----	----	----	----
6551	----	----	22.60	-----	----	----	2.58	-----	2.58	----	----	----	----
----	----	----	22.00	-----	----	----	2.50	-----	2.50	----	----	----	----
6164	7.24	3.76	11.00	-----	----	----	3.18	-----	3.18	5.19	5.19	1.50	----
----	9.00	2.00	11.00	<i>Bn, Super</i>	----	----	2.50	<i>Animal Matter</i>	2.50	5.00	5.00	----	----
6345	5.80	3.70	9.50	-----	----	----	3.69	-----	3.69	4.76	4.76	0.80	----
----	7.00	2.50	9.50	<i>Bn, Super</i>	----	----	3.00	<i>Animal Matter</i>	3.00	6.00	6.00	----	----
6469	6.37	6.78	13.15	-----	----	----	3.09	-----	3.09	4.39	4.39	1.55	----
----	8.00	2.00	10.00	<i>Bn, Super</i>	1.00	----	3.00	<i>Animal Matter</i>	4.00	2.00	2.00	----	----

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Western Meat Company—Continued.				
6464*	Garbage Tankage -----	B. C. Swartz, Bloomington-----		
	Guaranteed -----			
6157	Lemon Special -----	Johnston Fruit Co., Santa Barbara-----	29.73	
	Guaranteed -----		26.13	
6364	Nitrate of Soda-----	E. L. Koethen, Riverside-----	48.22	
	Guaranteed -----		48.00	
6085	Special -----	B. L. Byer, Upland-----	34.79	
	Guaranteed -----		33.80	
6107	Special -----	B. L. Byer, Upland-----	35.74	
	Guaranteed -----		34.40	
6108	Special -----	B. L. Byer, Upland-----	41.77	
	Guaranteed -----		39.80	
6113	Special -----	J. H. Reynolds, Redlands-----	36.19	
	Guaranteed -----		34.80	
6115	Special -----	J. H. Reynolds, Redlands-----	29.92	
	Guaranteed -----		28.80	
6369	Special -----	E. L. Koethen, Riverside-----	30.31	
	Guaranteed -----		26.80	
6386*	Special -----	L. G. Baldwin, Upland-----	45.37	
	Guaranteed -----		43.40	
6394*	Special -----	F. D. Parker et al., San Fernando-----	32.00	
6480*	Special -----	R. H. Gibson, San Fernando-----	31.78	
	Guaranteed -----		30.66	
6517	Special -----	Orange Hts. Fruit Assn., Corona-----	26.11	
	Guaranteed -----		27.60	
6546	Special -----	J. H. Reynolds, Redlands-----	30.98	
	Guaranteed -----		29.80	
6105	Superphosphate -----	B. L. Byer, Upland-----	16.66	
	Guaranteed -----		15.98	
6049*	Tankage -----	Alta Cresto Rancho, Riverside-----	42.56	
	Guaranteed -----		41.65	
6086*	Tankage -----	B. L. Byer, Upland-----	36.41	
6467*	Tankage -----	B. L. Byer, Upland-----	38.35	
	Guaranteed -----		35.70	
6096*	Tankage -----	J. H. Reynolds, Redlands-----	43.37	
	Guaranteed -----		42.70	
6097*	Tankage -----	J. H. Reynolds, Redlands-----	38.28	
	Guaranteed -----		38.15	

\*6464—26% fine. In absence of market quotations no prices are given on Garbage Tankage.

\*6386—72% fine.

\*6394—63% fine as bone, 88% fine as tankage.

\*6480—86% fine.

\*6049—80% fine.

\*6086—76% fine.

\*6467—82% fine.

\*6096—81% fine.

\*6097—71% fine.

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6464	----	----	2.55	-----	----	----	3.10	-----	3.10	----	1.27	1.20
6157	7.82	2.08	9.90	-----	2.20	0.72	1.48	-----	3.00	----	1.25	----
----	8.00	2.00	10.00	<i>Bn, Super</i>	2.35	0.75	1.00	<i>Animal Matter</i>	4.10	1.50	1.50	----
6364	----	----	-----	-----	15.07	----	----	-----	15.07	----	----	----
----	----	----	-----	-----	15.00	----	----	-----	15.00	----	----	----
6085	----	----	10.15	-----	1.83	----	2.19	-----	4.02	5.30	5.30	0.65
----	----	----	10.00	<i>Bn, Super</i>	2.00	----	2.00	<i>Animal Matter</i>	4.00	5.00	5.00	----
6107	----	----	7.90	-----	----	2.06	4.00	-----	6.06	2.62	2.62	1.00
----	----	----	8.00	<i>Bn, Super</i>	----	2.00	4.00	<i>Animal Matter</i>	6.00	2.00	2.00	----
6108	----	----	9.40	-----	----	----	4.54	-----	4.54	7.12	7.12	0.82
----	----	----	10.00	<i>Bn</i>	----	----	4.00	<i>Animal Matter</i>	4.00	7.00	7.00	----
6113	----	----	9.60	-----	1.17	----	3.03	-----	4.20	5.54	5.54	1.62
----	----	----	10.00	<i>Bn, Super</i>	1.00	----	3.00	<i>Animal Matter</i>	4.00	5.00	5.00	----
6115	----	----	9.55	-----	0.91	----	2.86	-----	3.77	3.20	3.20	1.32
----	----	----	10.00	<i>Bn, Super</i>	1.00	----	3.00	<i>Animal Matter</i>	4.00	2.00	2.00	----
6369	----	----	9.65	-----	2.86	0.62	1.16	-----	4.64	2.81	2.81	0.85
----	----	----	10.00	<i>Bn</i>	2.25	0.75	1.00	<i>Animal Matter</i>	4.00	2.00	2.00	----
6386	----	----	14.30	-----	----	----	8.42	-----	8.42	----	----	----
----	----	----	14.00	<i>Bn</i>	----	----	8.00	<i>Animal Matter</i>	8.00	----	----	----
6394	----	----	17.03	-----	----	----	4.78	-----	4.78	----	----	----
6480	----	----	17.80	-----	----	----	4.60	-----	4.60	----	----	----
----	----	----	18.00	<i>Bn</i>	----	----	4.30	<i>Animal Matter</i>	4.30	----	----	----
6517	----	----	9.45	-----	----	----	2.90	-----	2.90	2.71	2.71	0.85
----	----	----	10.00	<i>Bn</i>	----	----	3.00	<i>Animal Matter</i>	3.00	3.00	3.00	----
6546	----	----	10.30	-----	----	----	3.86	-----	3.86	2.75	2.75	1.55
----	----	----	10.00	<i>Bn</i>	----	----	4.00	<i>Animal Matter</i>	4.00	2.00	2.00	----
6105	17.72	0.58	18.30	-----	----	----	----	-----	----	----	----	----
6049	17.00	1.00	18.00	-----	----	----	----	-----	----	----	----	----
6086	----	----	8.60	-----	----	----	8.70	-----	8.70	----	----	----
6467	----	----	8.50	-----	----	----	8.50	-----	8.50	----	----	----
----	----	----	9.30	-----	----	----	7.12	-----	7.12	----	----	----
6096	----	----	8.95	-----	----	----	7.64	-----	7.64	----	----	----
----	----	----	9.00	-----	----	----	7.00	-----	7.00	----	----	----
6097	----	----	9.15	-----	----	----	8.80	-----	8.80	----	----	----
----	----	----	8.80	-----	----	----	8.70	-----	8.70	----	----	----
6097	----	----	12.15	-----	----	----	7.09	-----	7.09	----	----	----
----	----	----	11.00	-----	----	----	7.25	-----	7.25	----	----	----

Laboratory Number

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.

FROM WHOM OBTAINED.

Value per Ton at Station Prices.

Western Meat Company—  
Continued.

6106*	Tankage	B. L. Byer, Upland	32.49
6508*	Tankage	P. A. Demmens, Alta Loma	32.51
	<i>Guaranteed</i>		31.50
6114*	Tankage	J. H. Reynolds, Redlands	42.62
	<i>Guaranteed</i>		42.28
6310*	Tankage	Orange Hts. Fruit Assn., Corona	41.16
6311*	Tankage	Santiago Orange Growers Assn, Orange	40.63
6312*	Tankage	Fruit Growers Supply Co., Los Angeles	40.91
	<i>Guaranteed</i>		43.05
6314*	Tankage	J. H. Reynolds, Redlands	44.85
	<i>Guaranteed</i>		45.85
6315*	Tankage	J. H. Reynolds, Redlands	35.39
	<i>Guaranteed</i>		36.27
6316*	Tankage	J. H. Reynolds, Redlands	40.04
	<i>Guaranteed</i>		39.97
6317*	Tankage	J. H. Reynolds, Redlands	43.16
	<i>Guaranteed</i>		44.09
6326*	Tankage	Stewart Cit. Assn., Upland	45.05
6356*	Tankage	Stewart Cit. Assn., Upland	46.19
	<i>Guaranteed</i>		46.06
6346*	Tankage	Benchley Fruit Co., Fullerton	43.43
	<i>Guaranteed</i>		43.24
6353*	Tankage	Stewart Cit. Assn., Upland	45.16
	<i>Guaranteed</i>		45.75
6365*	Tankage	E. L. Koethen, Riverside	40.47
6385*	Tankage	T. K. Vernon, Upland	38.44
6468*	Tankage	B. L. Byer, Upland	38.80
6494*	Tankage	G. L. Hutchinson, Colton	40.30
	<i>Guaranteed</i>		39.20
6366*	Tankage	E. L. Koethen, Riverside	43.67
6432*	Tankage	F. G. Bush, Ontario	43.54
	<i>Guaranteed</i>		43.23
6367*	Tankage	E. L. Koethen, Riverside	44.14
	<i>Guaranteed</i>		44.21
6470*	Tankage	C. Huber, Los Angeles	34.05
	<i>Guaranteed</i>		33.46
6490*	Tankage	H. D. Derwin, Upland	42.93
	<i>Guaranteed</i>		44.07
6498*	Tankage	Elmer Hayward, Orange	42.69
	<i>Guaranteed</i>		40.85
6518*	Tankage	H. D. Derwin, Upland	45.77
	<i>Guaranteed</i>		46.03
6519*	Tankage	Orange Hts. Fruit Assn., Corona	41.20
	<i>Guaranteed</i>		40.95

\*6106—85% fine.  
 \*6508—84% fine.  
 \*6114—79% fine.  
 \*6310—81% fine.  
 \*6311—81% fine.  
 \*6312—81% fine.  
 \*6314—76% fine.  
 \*6315—79% fine.

\*6316—76% fine.  
 \*6317—76% fine.  
 \*6326—83% fine.  
 \*6356—79% fine.  
 \*6346—77% fine.  
 \*6353—78% fine.  
 \*6365—81% fine.  
 \*6385—87% fine.

Laboratory Number	PHOSPHORIC ACID				NITROGEN				POTASH			CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6106	----	----	15.15	-----	----	----	5.21	-----	5.21	----	----	----
6508	----	----	14.40	-----	----	----	5.34	-----	5.34	----	----	----
	----	----	15.00	-----	----	----	5.00	-----	5.00	----	----	----
6114	----	----	7.90	-----	----	----	8.83	-----	8.83	----	----	----
	----	----	8.80	-----	----	----	8.60	-----	8.60	----	----	----
6310	----	----	13.50	-----	----	----	7.55	-----	7.55	----	----	----
6311	----	----	13.70	-----	----	----	7.39	-----	7.39	----	----	----
6312	----	----	13.80	-----	----	----	7.44	-----	7.44	----	----	----
	----	----	13.50	-----	----	----	8.00	-----	8.00	----	----	----
6314	----	----	7.85	-----	----	----	9.37	-----	9.37	----	----	----
	----	----	6.40	-----	----	----	9.85	-----	9.85	----	----	----
6315	----	----	11.20	-----	----	----	6.56	-----	6.56	----	----	----
	----	----	11.50	-----	----	----	6.72	-----	6.72	----	----	----
6316	----	----	11.00	-----	----	----	7.70	-----	7.70	----	----	----
	----	----	11.50	-----	----	----	7.60	-----	7.60	----	----	----
6317	----	----	7.90	-----	----	----	8.96	-----	8.96	----	----	----
	----	----	7.79	-----	----	----	9.20	-----	9.20	----	----	----
6326	----	----	7.00	-----	----	----	9.56	-----	9.56	----	----	----
6356	----	----	7.55	-----	----	----	9.74	-----	9.74	----	----	----
	----	----	7.00	-----	----	----	9.80	-----	9.80	----	----	----
6346	----	----	8.40	-----	----	----	8.94	-----	8.94	----	----	----
	----	----	8.61	-----	----	----	8.86	-----	8.86	----	----	----
6353	----	----	7.75	-----	----	----	9.46	-----	9.46	----	----	----
	----	----	7.15	-----	----	----	9.70	-----	9.70	----	----	----
6365	----	----	8.55	-----	----	----	8.21	-----	8.21	----	----	----
6385	----	----	9.50	-----	----	----	7.57	-----	7.57	----	----	----
6468	----	----	8.15	-----	----	----	7.88	-----	7.88	----	----	----
6494	----	----	11.25	-----	----	----	7.72	-----	7.72	----	----	----
	----	----	8.00	-----	----	----	8.00	-----	8.00	----	----	----
6366	----	----	9.10	-----	----	----	8.88	-----	8.88	----	----	----
6432	----	----	8.80	-----	----	----	8.90	-----	8.90	----	----	----
	----	----	8.00	-----	----	----	8.96	-----	8.96	----	----	----
6367	----	----	7.50	-----	----	----	9.26	-----	9.26	----	----	----
	----	----	7.36	-----	----	----	9.30	-----	9.30	----	----	----
6470	----	----	14.50	-----	----	----	5.69	-----	5.69	----	----	----
	----	----	15.40	-----	----	----	5.40	-----	5.40	----	----	----
6490	----	----	7.45	-----	----	----	8.98	-----	8.98	----	----	----
	----	----	6.55	-----	----	----	9.40	-----	9.40	----	----	----
6498	----	----	7.40	-----	----	----	8.93	-----	8.93	----	----	----
	----	----	8.50	-----	----	----	8.31	-----	8.31	----	----	----
6518	----	----	6.35	-----	----	----	9.84	-----	9.84	----	----	----
	----	----	6.30	-----	----	----	9.91	-----	9.91	----	----	----
6519	----	----	12.95	-----	----	----	7.65	-----	7.65	----	----	----
	----	----	13.50	-----	----	----	7.50	-----	7.50	----	----	----

\*6468—90% fine.

\*6494—73% fine.

\*6366—70% fine.

\*6432—69% fine.

\*6367—76% fine.

\*6470—86% fine.

\*6490—86% fine.

\*6498—83% fine.

\*6518—71% fine.

\*6519—76% fine.

Laboratory Number	NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND.		FROM WHOM OBTAINED.	Value per Ton at Station Prices.
Western Meat Company— Continued.				
6540*	Tankage -----	W. J. Naftel, Pomona-----	34.24	
	<i>Guaranteed</i> -----		31.86	
6552*	Tankage -----	T. E. Ketcheson, Upland-----	43.06	
	<i>Guaranteed</i> -----		43.37	
6112*	Tankage, Diamond E-----	J. H. Reynolds, Redlands-----	33.53	
6545*	Tankage, Diamond E-----	J. H. Reynolds, Redlands-----	36.15	
	<i>Guaranteed</i> -----		33.60	
6094*	Tankage, Diamond I-----	J. H. Reynolds, Redlands-----	32.33	
6215*	Tankage, Diamond I-----	Bakersfield Sandst. Brick Co., B'field-----	31.16	
	<i>Guaranteed</i> -----		32.10	
6437	Whale Blood Meal-----	W. A. Strong, Upland-----	49.60	
	<i>Guaranteed</i> -----		50.40	
<hr/>				
*6540—43% fine.		*6545—86% fine.		
*6552—78% fine.		*6094—75% fine.		
*6112—81% fine.		*6215—80% fine.		



Laboratory Number	PHOSPHORIC ACID				NITROGEN					POTASH		CHLORIN
	Available	Insoluble	Total	Guaranteed as derived from	In Nitrates	In Ammonia Salts	Organic	Organic Nitrogen guaranteed as derived from	Total	From sulfate	Total	
6540	----	----	14.35	-----	----	----	5.76	-----	5.76	----	----	----
----	----	----	14.80	-----	----	----	5.12	-----	5.12	----	----	----
6552	----	----	8.30	-----	----	----	8.87	-----	8.87	----	----	----
----	----	----	7.35	-----	----	----	9.10	-----	9.10	----	----	----
6112	----	----	16.40	-----	----	----	5.25	-----	5.25	----	----	----
6545	----	----	19.90	-----	----	----	5.29	-----	5.29	----	----	----
----	----	----	18.00	-----	----	----	5.00	-----	5.00	----	----	----
6094	----	----	13.25	-----	----	----	5.49	-----	5.49	----	----	----
6215	----	----	12.00	-----	----	----	5.42	-----	5.42	----	----	----
----	----	----	13.75	-----	----	----	5.35	-----	5.35	----	----	----
6437	----	----	-----	-----	----	----	11.81	-----	11.81	----	----	----
----	----	----	-----	-----	----	----	12.00	-----	12.00	----	----	----

